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(FILE 'HOME' ENTERED AT 09:52:30 ON 06 NOV 2008)

FILE 'REGISTRY' ENTERED AT 09:52:47 ON 06 NOV 2008

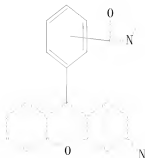
L1 STRUCTURE UPLOADED

L2 26 S L1

L3 475 S L1 FULL

=> d que l3 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 475 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 13210 ITERATIONS

475 ANSWERS

SEARCH TIME: 00.00.01

=> s l3 and ed<12/18/2003

60371597 ED<12/18/2003

(ED<20031218)

L4 132 L3 AND ED<12/18/2003

=> fil capl

FILE 'CAPLUS' ENTERED AT 09:56:32 ON 06 NOV 2008

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FILE COVERS 1907 - 6 Nov 2008 VOL 149 ISS 19

FILE LAST UPDATED: 4 Nov 2008 (20081104/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

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<http://www.cas.org/legal/infopolicy.html>

' .FIONA' IS DEFAULT FORMAT FOR 'CAPLUS' FILE

=> s 14

L5 43 L4

=> d 1-43 bib abs hitstr

LS ANKER 4 OF 43 CAPLUS OMPRISET 3000 ACS ON STN
AK 2007-557788 CAPLUS

IN 146-31941

TI Preparation of fluorescent dithio reagents for use in detecting

thiol-containing compounds

IN Sen, Daniel S.; Pollella, Phai Kumar

PA Marquette University, USA

SO U.S. Pat. Appl. Publ., 61pp

COIN US20070000000

FI Patent

LA Class. Int.

PAN CIP

PATENT NO.	SYND	DATE	APPLICATION NO.	DATE
US 20060064410	A1	20060606	US 2006-012685	20060606
US 2006-113147		20060606		

QI CA062617 146-31941, INVENT 146-31941

AB The invention relates to the preparation of a fluorescent dithio compound and the method of detecting thiol-containing compounds. The fluorescent dithio compound is represented by formula D-S-G/A wherein D comprises a donor fluorophore, and A comprises an acceptor fluorophore that is different from the donor fluorophore and that is capable of at least one of (a) quenching the donor fluorophore, (b) increasing or decreasing an extinction coefficient of the donor fluorophore, and (c) exhibiting sensitized emission when excited by the donor fluorophore.

IT 009126-11-46 606106-73-3p

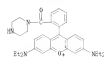
RE: RP (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(in preparation of fluorescent dithio reagents for use in detecting thiol-containing compounds)

IN 009126-11-4 CAPLUS

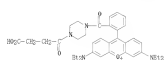
CA Anthranilic, 3,6-bis(diethylamino)-[2-[2-(4-piperidinylcarbonyl)phenyl]-

(CA INDEX NAME)



IN 009126-12-5 CAPLUS

CA Anthranilic, 3,6-bis[(4-(2-methoxy-1-propenyl)-1-piperidinylcarbonyl)phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)



LS ANKER 5 OF 43 CAPLUS OMPRISET 3000 ACS ON STN

AK 2007-117803 CAPLUS

IN 146-212209

TI Hair dye composition for dyeing of keratin fibers comprising an

amidoanthraquinone direct dye

Lezanne, Alain

PA L'Oréal, FR

SO Fr. Decade, 74pp

COIN FR20060000000

FI Patent

LA French

PAN CIP

PATENT NO.	SYND	DATE	APPLICATION NO.	DATE
FR 2859060	A1	20040606	FR 2000-03406	20000606
FR 2004-03406		20040606		

QI ANXAT 146-212209

AB A hair dye composition for dyeing of keratinous fibers, in particular of human keratinous fibers and, more particularly hair, contains an amidoanthraquinone direct dye. A hair dye composition contained [4-[bis-(2-hydroxyethyl)-amino]-9-(2-diisopropylamino)-phenyl]-anthraquinone-9,10-diphenyl-2,3,6-trihydroxyethyl-amine 0.12% alkyl isolaconazole 0.2, FES-6 6, benzyl alc., 4, hydroxyethyl) cellulose 0.7%, buffer pH = 9.05, and water 8.4.

IT 80243-09-3 103041-61-6 11047-77-3

16186-09-3 150606-01-6 120060-09-3

100606-10-8 100606-11-6 100606-12-7

100606-16-6 100606-18-6 100606-19-3

100606-20-1 100606-20-4 100606-20-9

100606-21-6 100606-21-8 100606-21-9

200606-10-7 200606-10-8 200606-10-9

200606-10-8 200606-10-9 200606-10-9

200606-10-8 200606-10-9 200606-10-9

200606-10-8 200606-10-9 200606-10-9

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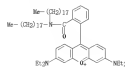
200606-10-8 200606-10-9 200606-10-9

200606-10-8 200606-10-9 200606-10-9

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200606-10-8 200606-10-9 200606-10-9

LS ANKER 5 OF 43 CAPLUS OMPRISET 3000 ACS ON STN (Continued)



● Cl⁻

IN 117647-17-0 CAPLUS

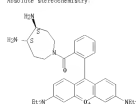
CA Anthranilic, 3,6-bis(diethylamino)-[2-[2-(2,5-dimethoxy-1-pyridinylcarbonyl)phenyl]- (CA INDEX NAME)



IN 168196-09-7 CAPLUS

CA Anthranilic, 3,6-bis[(4S,5S)-4,5-diaminohexahydro-1H-azepin-1-yl]carbonyl]phenyl]-2,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)

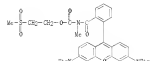
Also note stereochemistry



● Cl⁻

IN 150606-02-0 CAPLUS

CA Anthranilic, 3,6-bis(diethylamino)-[2-[2-(6-piperidinylcarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)



● I⁻

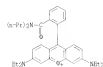
IN 100361-64-4 CAPLUS

CA Anthranilic, 3,6-bis(diethylamino)-[2-[2-(diisocyanatylcarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)

IN 150606-02-0 CAPLUS

CA Anthranilic, 3,6-bis(diethylamino)-[2-[2-(6-piperidinylcarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)

LE ANWER 5 OF 43 CAPLUS COMPIRIST 2008 ACS on STN (Continued)



● Cl⁻

RN 190606-09-0 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

RN 190606-10-6 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)



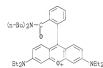
● Cl⁻

RN 190606-11-6 CAPLUS

LE ANWER 5 OF 43 CAPLUS COMPIRIST 2008 ACS on STN (Continued)



RN 190606-10-9 CAPLUS
CN Acetivium, 9-[2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, (CA INDEX NAME)

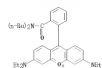


RN 190606-10-1 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, (CA INDEX NAME)



RN 190602-43-4 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(or 6-methylphenyl)-, chloride (1:1) (CA INDEX NAME)

LE ANWER 5 OF 43 CAPLUS COMPIRIST 2008 ACS on STN (Continued)
CN Acetivium, 9-[2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

RN 190606-12-5 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)



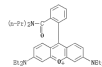
● Cl⁻

RN 190606-16-5 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, (CA INDEX NAME)



RN 190606-28-5 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, (CA INDEX NAME)

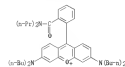
LE ANWER 5 OF 43 CAPLUS COMPIRIST 2008 ACS on STN (Continued)



DI-NO₂

● Cl⁻

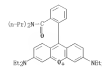
RN 190602-50-9 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(or 6-methylphenyl)-, chloride (1:1) (CA INDEX NAME)



DI-NO₂

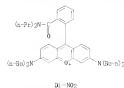
● Cl⁻

RN 190744-84-8 CAPLUS
CN Acetivium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(or 6-methylphenyl)-, (CA INDEX NAME)

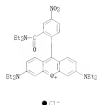


DI-NO₂

LE ANDER 5 OF 43 CAPLUS OMPRISET 2008 ACS on STN (Continued)
 RW 20044-94-9 CAPLUS
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(*o*-nitrophenyl)]- (CA INDEX NAME)



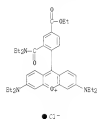
RW 200400-49-4 CAPLUS
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (1:1) (CA INDEX NAME)



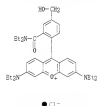
RW 200400-49-7 CAPLUS
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (1:1) (CA INDEX NAME)



LE ANDER 5 OF 43 CAPLUS OMPRISET 2008 ACS on STN (Continued)
 RW 200400-58-6 CAPLUS
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)



RW 200400-59-6 CAPLUS
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)



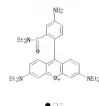
RW 200400-61-3 CAPLUS
 CN Xanthylum, 9-[2-(dimethylamino)-2-[(diethylamino)ethoxycarbonyl]phenyl]-3,6-bis(diethylamino)-, chloride, hydrochloride (1:1:1) (CA INDEX NAME)



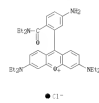
LE ANDER 5 OF 43 CAPLUS OMPRISET 2008 ACS on STN (Continued)



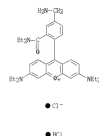
RW 200400-61-8 CAPLUS
 CN Xanthylum, 9-[2-(dimethylamino)-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)



RW 200400-62-0 CAPLUS
 CN Xanthylum, 9-[2-(dimethylamino)-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)



LE ANDER 5 OF 43 CAPLUS OMPRISET 2008 ACS on STN (Continued)



RW 249742-41-4 CAPLUS
 CN Xanthylum, 9-[2-[(bis(oxazomethyl)amino)carbonyl]phenyl]-3,6-bis(methylphenylamino)- (CA INDEX NAME)

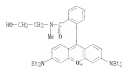


RW 453094-66-6 CAPLUS
 CN Xanthylum, 3,6-bis(dimethylamino)-9-[2-[(2-hydroxyethyl)methylamino]carbonyl]phenyl]- (CA INDEX NAME)



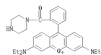
RW 453094-67-9 CAPLUS
 CN Xanthylum, 3,6-bis(dimethylamino)-9-[2-[(2-hydroxyethyl)methylamino]carbonyl]phenyl]- (CA INDEX NAME)

LA ANKER 8 OF 43 CAPULE COPYRIGHT 2008 ACS ON STN (Continued)

RE CNT 2 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE POUND

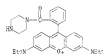
LA ANKER 6 OF 43 CAPULE COPYRIGHT 2008 ACS ON STN

- AN 2006-125715 CAPULE
IN 147-123656
T1 Chemoselective abrogation of artificial substrates
AD Barchas, Wm R.; Janssens, Michel; Goltis, Claire; Mujumdar, Laureat.
Iwai, Masahito; Chetani, Prabir; Belakire, Maxon Y
C1 Department: Repère et Dynamique Cellulaires, Commissariat à l'Énergie
Atomique, Gif-sur-Yvette, 91191, 1907-1909
S0 ChemBioChem 2006, 7(11), 1907-1909
CODEN: CBCHP4; ISSN: 1522-2675
PB Wiley-VCH Verlag GmbH & Co. KGaA
JF Journal
AD Berlin
AB Providing an alternative route. Ubiquitin and Ub-like proteins (Ub_n) are
attached to cellular proteins through a conserved conjugation pathway. We
demonstrate here that Ub and Ub_n thioesters, the key intermediates of this
pathway, can be readily transferred onto cysteine-containing artificial
substrates. This finding provides new insight into the chemical of Ub (Ub_n)
conjugation and can be used for creating different protein probes and
microarrays.
T7 606156-11-4
RE ACT (Reactant): RACT (Reactant or reagent)
Cysteine thioesters produced by ubiquitin-activating enzyme E1 react
with cysteine-containing proteins to form stable peptide bond and
modification ubiquitin-cysteine deriva. to protein microarray
IN 606156-11-4 CAPULE
ON Anthelmium, 5,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-
CA INDEX NAME

RE CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE POUND

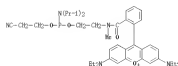
LA ANKER 7 OF 43 CAPULE COPYRIGHT 2008 ACS ON STN

- AN 2006-118039 CAPULE
IN 148-138111
T1 Modification of Aniline Containing Proteins Using an Oxidative Coupling
Strategy
AD Isokawa, Jacob M.; Esser-Kahn, Aaron P.; Francis, Matthew B.
C1 Department of Chemistry, University of California, Berkeley, CA,
94720-4603, USA
S0 Journal of the American Chemical Society 2006(128), 128(40), 15558-15559
CODEN: JACSAT; ISSN: 0002-7063
PB American Chemical Society
JF Journal
AD Berlin
AB CUS5627-148-138111
A new biocoupling reaction has been developed based on the
chemoselective modification of anilines through an oxidative coupling
pathway. Aryl amines were installed on the surface of protein substrates
through lysine acylation reactions or through the use of native chemical
ligation techniques. Upon exposure to NaIO4 in aqueous buffer, the anilines
coupled rapidly to the aromatic rings of
N,N'-diaryl-N'-acyl-L-phenylalanine derivatives. The identities of the reaction
products were confirmed using HPLC and through conversion to small mol.
analogs. Control expts. indicated that none of the native amino acids
participated in the reaction. The resulting bioconjugates were found to
be stable toward hydrolysis from pH 4 to pH 11 and in the presence of many
commonly used oxidants, reducing agents, and nucleophiles. A fluorescent
phenylhydrazide reagent was synthesized for the selective detection of
aniline labeled proteins in mixts., and the reaction was used to append
the C-terminus of the green fluorescent protein with a single PBD chain.
When combined with techniques for the incorporation of unnatural amino
acids into proteins, this biocoupling coupling method should prove
useful for a number of applications requiring a high degree of labeling
specificity.
T7 606156-11-4
RE ACT (Reactant): RACT (Reactant or reagent)
Modification of aniline containing proteins using oxidative coupling
strategy
IN 606156-11-4 CAPULE
ON Anthelmium, 5,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-
CA INDEX NAME

RE CNT 25 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE POUND

LA ANKER 8 OF 43 CAPULE COPYRIGHT 2008 ACS ON STN

- AN 2006-098218 CAPULE
IN 143-149183
T1 Anthelmium dyes
AD Redington, Mark; Little, Matt
C1 Bioscience Technologies, Inc., USA
S0 U.S. Pat. Appl. Publ., 62 pp.
JF Patent
AD Berlin
PAT CNT
PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2006/0156063 A1 2006/06/09 US 2004-024115 2004/04/13
US 7343701 B2 2006/06/18
EP 1746096 A1 2006/06/18 EP 2006-072992 2006/06/04
RE: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IL, IT,
JP, KR, LI, LU, MC, NL, PT, PL, RO, SE, SI, SK, TR
US 2006/021811 A1 2006/06/04 US 2008-26326 2008/06/25
FR: US 2006-014568 F 2006/05/03
US 2006-021812 A 2006/04/13
EP 2006-015606 F 2006/06/09
GE MARPAT 143-149183
AB The invention provides a novel class of anthelmium dyes, some of which are
functionalized to allow their coupling to conjugation partners of
interest, e.g. biomols., drugs, toxins and the like. Also provided are
conjugates of the dyes, methods of preparing and using the dyes and their
conjugates, and kits including the dyes and their conjugates.
T7 US2006-70-4P
RE ACT (Reactant): SYN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
Anthelmium dyes
IN US2006-70-4P CAPULE
ON Anthelmium, 9-[2-(1-methyl-1H-imidazol-2-yl)-2'-oxo-2-methyl-1,3-dioxane-5-yl]-5,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-
CA INDEX NAME

RE CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE POUND

LS ANKER 9 OF 43 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006-163423 CAPLUS

IN 142-595899
T1 Dual-surface modification of the tobacco mosaic virus
AU Salinas, Tara L & Ding, Zhenli; Soenen, Brunst R & Pinner, Matthew B
CS Department of Chemistry, University of California, Berkeley, CA
94720-1460, USA

50 Journal of the American Chemical Society (JACS), 127(11), 3728-3733
0002-5223(2005) 0000-7963

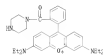
PS American Chemical Society
PT Journal

LA English

AB The protein shell of the tobacco mosaic virus (TMV) provides a robust and practical labile scaffold for the preparation of nanoscale materials. To expand the range of applications for which the capsid can be used, two synthetic strategies have been developed for the attachment of new functionality to either the exterior or the interior surface of the virus. The first of these is accomplished using a highly efficient diazonium coupling/oxidation reaction sequence, which installs 2000 copies of a material component on the capsid exterior. Alternatively, the inner cavity of the tube can be modified by attaching amine to glutamate acid side chains through a carbodiimide coupling reaction. Both of these reactions have been demonstrated for a series of substrates, including dyes, fluorophores, and cross effectors. Through the attachment of PEG polymers to the capsid exterior, water-soluble TMV rods have been prepared. Finally, the orthogonality of these reactions has been demonstrated by installing different functional groups on the exterior and interior surfaces of the same capsid assemblies.

IT 606126-11-46, continues with DW cap proteins
RE 46U (unclassified): SYN (Synthetic preparation); ANST (Analytical study); FRF (Preparation)

PS Dual-surface modification of Tobacco mosaic virus
IN 606126-11-4 CAPLUS
CN Anthelm, A 6-bis(diethylamino)-9-[2-(1-piperazinyl)carbonyl]phenyl]- (CA INDEX NAME)



IT 606126-11-4
RE ACT (Reactant), RACT (Reactant or reagent)

PS Dual-surface modification of Tobacco mosaic virus

IN 606126-11-4 CAPLUS
CN Anthelm, A 6-bis(diethylamino)-9-[2-(1-piperazinyl)carbonyl]phenyl]- (CA INDEX NAME)

LS ANKER 10 OF 43 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006-190201 CAPLUS

IN 142-130664
T1 A Three-Component Mannich-Type Reaction for Selective Tyrosine Biocoupling

AU Jishi, Mei S & Winkler, Leona R & Francis, Matthew B
CS Department of Chemistry, University of California, Berkeley, CA
94720-1460, USA

50 Journal of the American Chemical Society (JACS), 128(40), 12942-12943
0002-5223(2006) 0000-7963

PS American Chemical Society
PT Journal

LA English

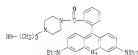
AB 142-130664

AB A new selective biocoupling reaction is described for the modification of tyrosine residues on protein substrates. The reaction uses imines formed in situ from aldehydes and electron-rich anilines to modify phenolic side chains through a Mannich-type electrophilic aromatic substitution pathway. The reaction takes place under mild pH and temperature conditions and can modify protein substrates at concentrations as low as 20 μM. Using an efficient fluorescence-based assay, we demonstrated the reaction using a model substrate. Interestingly, proteins lacking surface-exposed tyrosines remained unmodified. It was also demonstrated that enzymatic activity is preserved under the mild reaction conditions. This strategy represents one of the first tyrosine-specific biocoupling reactions for protein modification and provides an important complement to more commonly used lysine- and cysteine-based methods.

IT 606126-12-4
RE ACT (Reactant), RACT (Reactant or reagent)

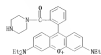
PS Three-component Mannich-type reaction for selective tyrosine biocoupling

IN 606126-12-4 CAPLUS
CN Anthelm, A 6-bis(diethylamino)-9-[2-[(4-hydroxypropyl)-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RE CNT 19 THERE ARE 19 CITING REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PRIORITY

LS ANKER 9 OF 43 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RE CNT 53 THERE ARE 53 CITING REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PRIORITY

LS ANKER 11 OF 43 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006-190429 CAPLUS

IN 142-165621
T1 Study on novel fluorescence probe containing rhodamine structure (I) -

AU Yu, Mei-huan; Ren, Qian-hua; Dong, Yi-min; Zhong, Hai-feng; Zou, Yan
CS Sch. Chem. Chem. Eng., Shanghai Jiaotong Univ., Shanghai, 200240, P.R. China

50 Ruzhou Yu Rens (2006), 41(4), 167-170
0002-5223(2006) 0000-7963

PS Ruzhou Yu Rens
PT Journal

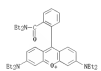
LA Chinese

AB Rhodamine B-N-methylrhodamine ester is a novel on-off reactive fluorescence probe. Both UV/visible spectra and fluorescence spectra of the labeled compounds were studied in different pH media. The correlation between excitation, isomerization and spectra properties is discussed. N-methylrhodamine esters would readily change to nonfluorescent isomers in alkaline or neutral media.

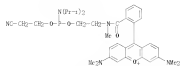
IT 190606-38-1
RE FMO (formation, unclassified); FRF (Preparation); RACT (Reactant or reagent)

PS Rhodamine B-N-methylrhodamine ester is novel on-off reactive fluorescence probe

IN 190606-38-1 CAPLUS
CN Anthelm, A 6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]- (CA INDEX NAME)



LA ANKER 13 4F 4S CAPLUS OMPYRIGHT 2006 ACS on STM (Continued)



RE CNT 50 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PFORMAT

LS ANKER 14 4F 4S CAPLUS OMPYRIGHT 2006 ACS on STM

AN 2006 627729 CAPLUS

IN 179 25416

T1 Practical synthetic route to functionalized rhodamine dyes

AD Noves, Trone, France; Mathew, S

CS Department of Chemistry, University of California-Berkeley, Berkeley, CA

94150-1404, USA

OWNS 06/07/07, ISSN 1520-3594

PIB American Chemical Society

JF Journal

LA English

45 CASCAT 1319 25416

AB An efficient method for the synthesis of functionalized rhodamine dyes has been developed. Multigram quantities of these water-soluble fluorophores can be prepared from inexpensive precursors and purified without the use of chromatography. A series of reactive functional groups has been installed through subsequent reactions, providing materials for biolabeling. For multiple applications, a solid-phase purification strategy has been developed to afford rhodamine dyes, possessing a wide range of spectral properties.

IT 606126-11-1P

RE: RET (Reactant); SYN (Synthetic preparation); TBM (Technical or

engineered material use); PREP (Preparation); RAC (Reactant or reagent);

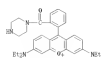
USE (Use)

OW: integration of functionalized rhodamine dyes for biochem. labeling

IN 606126-11-4 CAPLUS

ON Anthyllum, 3,6-bis(diethylamino)-9-[2-(3-piperazinylcarbonyl)phenyl]-

(CA INDEX NAME)



IT 606126-13-4F 606126-14-7P 606126-16-8P

RE: RET (Reactant); SYN (Synthetic preparation); TBM (Technical or

engineered material use); PREP (Preparation); RAC (Reactant or reagent);

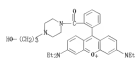
USE (Use)

OW: preparation of functionalized rhodamine dyes for biochem. labeling

IN 606126-13-4 CAPLUS

ON Anthyllum, 3,6-bis(diethylamino)-9-[2-[(4-hydroxypropyl)-1-

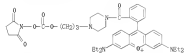
piperazinylcarbonyl]phenyl]- (CA INDEX NAME)



LS ANKER 14 4F 4S CAPLUS OMPYRIGHT 2006 ACS on STM (Continued)

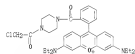
LA 606126-14-7 CAPLUS

ON Anthyllum, 3,6-bis(diethylamino)-9-[2-[(4-{[2-(4,5-dioxo-1-oxo-1H-pyridin-2-yl)acetyl]amino}carbonyl)propyl]phenyl]- (CA INDEX NAME)



IN 606126-16-9 CAPLUS

ON Anthyllum, 9-[2-[(4-{2-chloromethyl}-1-piperazinylcarbonyl)phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)



IT 606126-12-8P 606126-15-8P 606126-17-0P

606126-15-7P 606126-19-2P

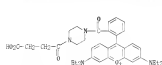
RE: SYN (Synthetic preparation); TBM (Technical or engineered material

use); PREP (Preparation); USE (Use)

OW: preparation of functionalized rhodamine dyes for biochem. labeling

IN 606126-12-8 CAPLUS

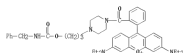
ON Anthyllum, 9-[2-[(4-{2-chloromethyl}-1-piperazinylcarbonyl)phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)



IN 606126-16-4 CAPLUS

ON Anthyllum, 3,6-bis(diethylamino)-9-[2-[(4-{3-[[[4-(methoxyamino)carbonyl]oxy]propyl]-1-piperazinylcarbonyl]phenyl]- (CA INDEX NAME)

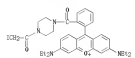
LS ANKER 14 4F 4S CAPLUS OMPYRIGHT 2006 ACS on STM (Continued)



IN 606126-17-0 CAPLUS

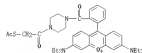
ON Anthyllum, 3,6-bis(diethylamino)-9-[2-[(4-{2-iodomethyl}-1-

piperazinylcarbonyl)phenyl]- (CA INDEX NAME)



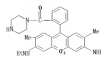
IN 606126-19-4 CAPLUS

ON Anthyllum, 9-[2-[(4-{2-(acetylthio)acetyl}-1-piperazinylcarbonyl)phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)



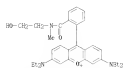
IN 606126-19-2 CAPLUS

ON Anthyllum, 3,6-bis(diethylamino)-9-[2-(1-(dimethyl-9-[2-(1-piperazinylcarbonyl)phenyl]- (CA INDEX NAME)

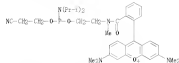


RE CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PFORMAT

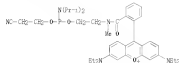
LS ANKER 16 OF 43 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)



BN 435004-49-1 CAPLIS
CN Xanthylum, 9-[2-[6-[[4-[[1-methyl(ethyl)amino]-9-oxa-2-methyl-1-oxa-5,7-dioxo-2-oxa-6-phosphorus-1-yl]phenyl]-3,6-bis(dimethylamino)- (OC1) (CA INDEX NAME)



BN 435004-70-4 CAPLIS
CN Xanthylum, 9-[2-[6-[[4-[[1-methyl(ethyl)amino]-9-oxa-2-methyl-1-oxa-5,7-dioxo-2-oxa-6-phosphorus-1-yl]phenyl]-3,6-bis(dimethylamino)- (OC1) (CA INDEX NAME)



BN 435004-72-6 CAPLIS
CN Xanthylum, 3,6-bis(dimethylamino)-9-[2-[[4-[[4,6-dioxo-1-pyrrolidinyl]carbonyl]phenyl]-5-methyl(ethyl)amino]carbonyl]phenyl- (CA INDEX NAME)

LS ANKER 19 OF 43 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)

BN 435004-73-1 CAPLIS
CN Oligonucleotides labeled with energy transfer acceptors for use in amplification, hybridization, and ligation assays employing fluorescent nucleic acid stains
Singer, Victoria L., Maryland, Richard P.
Molecular Probes, Inc., USA

DS 0.5, 25 or

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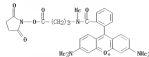
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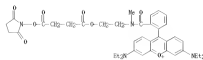
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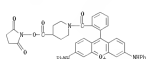
LS ANKER 18 OF 43 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)



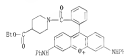
BN 435004-73-1 CAPLIS
CN Xanthylum, 3,6-bis(dimethylamino)-9-[2-[[4-[[4,6-dioxo-1-pyrrolidinyl]carbonyl]phenyl]-5-methyl(ethyl)amino]carbonyl]phenyl- (CA INDEX NAME)



LS ANKER 19 OF 43 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)



● Cl⁻
NE.OPT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE PERIOD

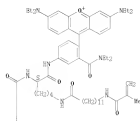


● Cl⁻

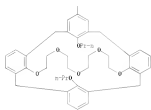
BN 515798-12-2 CAPLIS
CN Xanthylum, 9-[2-[[4-[[4,6-dioxo-1-pyrrolidinyl]carbonyl]phenyl]-3,6-bis(dimethylamino)- (OC1) (CA INDEX NAME)

LE ANDER 24 0F 43 CAPLUC OMPYRIGHT 2006 ACS on STN (Continued)

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CM 2

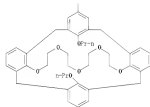
CIN 14417-12-6

CIP C2 P5 02



LE ANDER 24 0F 43 CAPLUC OMPYRIGHT 2006 ACS on STN (Continued)

PAGE 2-A



CM 2

CIN 14417-12-6

CIP C2 P5 02



BN 200605-93-6 CAPLUC
 CN Anthrilm, 9-[4-[(2-amino-21-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadec-21-en-7-yl)amino]-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, (S)-, salt with trifluoroacetic acid (1/1), mono(trifluoroacetate) (SCT) (CA INDEX NAME)

CM 1

CIN 16-06-1

CIP C2 H P5 02



CM 2

CIN 200605-92-5

CIP C20 H22 N8 C2 P5 02

CM 3

CIN 200603-81-4

CIP C20 H22 N7 06

LE ANDER 24 0F 43 CAPLUC OMPYRIGHT 2006 ACS on STN (Continued)

BN 200605-79-9 CAPLUC

CN Anthrilm, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-5-[[6-[[12-[(2-methyl-1-oxo-2-oxopropyl)amino]-1-oxododecyl]amino]-2-[[16,17,18,19,20,21,22,23,24,25,26-octahydro-29,32-dioxocyclo-29H-4,18-benzothiazolo[3,2-b]benzoxazole)-25,27-methoxy-25H-dibenz[9,11,4,7,10,13]perfluoroacridetetracene-25-yl]carbonyl]amino]-1-oxododecyl]amino]phenyl)-, (S)-, salt with trifluoroacetic acid (1/1) (SCT) (CA INDEX NAME)

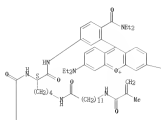
CM 1

CIN 200605-71-8

CIP C20 H28 N7 013

Absolute stereochemistry

PAGE 1-A



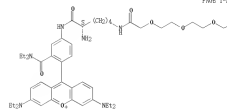
PAGE 1-B

~NH2

LE ANDER 24 0F 43 CAPLUC OMPYRIGHT 2006 ACS on STN (Continued)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



CM 4

CIN 16477-72-6

CIP C2 P5 02



BN 200605-96-9 CAPLUC

CN Anthrilm, 9-[4-[(2-amino-21-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadec-21-en-7-yl)amino]-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, (S)-, salt with trifluoroacetic acid (1/1), mono(trifluoroacetate) (SCT) (CA INDEX NAME)

CM 1

CIN 76-06-1

CIP C2 H P5 02

LE ANSWER 24 0F 4S CAPLUS OMPYKIDT 2006 ACS on STN (Continued)



CM 2

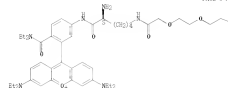
CIN D0660-84-6
COP C50 522 NT 06... C2 FS 00

CM 3

CIN D0660-84-7
COP C50 522 NT 06

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



CM 4

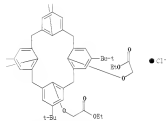
CIN 14477-72-6
COP C2 FS 00

LE ANSWER 24 0F 4S CAPLUS OMPYKIDT 2006 ACS on STN (Continued)

PAGE 2-A



PAGE 2-B



IN D0660-88-1 CAPLUS
CIN Acetyl(imp, 3,6-bis(4-ethylamino)-9-[2-[(diethylamino)carboxyl]-4-[[[21-methyl-1,4,20-trioxo-2-[[[15,11,17,25-tetrakis(1,1-dimethylethyl)-26,27,28-tria(2-ethoxy-2-oxotetrahydropentalen-1-yl)-13,7,19,13,15,19]octa-1,1,2,5,8,6,7,1,2,5,11,2,5,17,19,13,21,22-dodeca-2,6-ryloxy]acetyl]amino]-10,16-tetraso-7,19-diaadec-21-en-1-yl]amino]phenyl]-, chloride, (S) - (DC1) (CA INDEX NAME)

Absolute stereochemistry

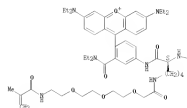
LE ANSWER 24 0F 4S CAPLUS OMPYKIDT 2006 ACS on STN (Continued)

IN D0660-87-0 CAPLUS

CIN Acetyl(imp, 3,6-bis(4-ethylamino)-9-[2-[(diethylamino)carboxyl]-4-[[[21-methyl-1,4,20-trioxo-2-[[[15,11,17,25-tetrakis(1,1-dimethylethyl)-26,27,28-tria(2-ethoxy-2-oxotetrahydropentalen-1-yl)-13,7,19,13,15,19]octa-1,1,2,5,8,6,7,1,2,5,11,2,5,17,19,13,21,22-dodeca-2,6-ryloxy]acetyl]amino]-10,16-tetraso-7,19-diaadec-21-en-1-yl]amino]phenyl]-, chloride, (S) - (DC1) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

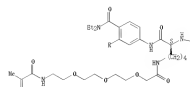


PAGE 1-B



LE ANSWER 24 0F 4S CAPLUS OMPYKIDT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B

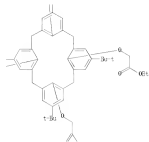


LE ANDER 24 0F 45 CAPLUS OMPKIGET 2006 ACS on STM (Continued)

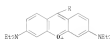
PAGE 2-A



PAGE 2-B



PAGE 3-A

● Cl⁻

LE ANDER 24 0F 45 CAPLUS OMPKIGET 2006 ACS on STM (Continued)

bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)

● Cl⁻IN 200603-03-0 CAPLUS
CN Kestylum, 9-[6-amino-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)● Cl⁻IN 200603-08-0 CAPLUS
CN Kestylum, 9-[6-bis(diethylamino)-2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)● Cl⁻

LE ANDER 24 0F 45 CAPLUS OMPKIGET 2006 ACS on STM (Continued)

PAGE 3-B



IT 200603-09-0F 200603-09-0F 200603-01-0F
200603-03-0F 200603-03-0F 200603-03-0F
200603-01-0F 200603-01-0F 200603-01-0F
200603-09-0F 200603-09-0F 200603-09-0F
RE RT (Reactant), STN (Synthetic preparation), PREP (Preparation), RACT (Reactant or reagent)
CN 200603-09-0F CAPLUS
CN Kestylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

IN 200603-10-0 CAPLUS
CN Kestylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-6-nitrophenyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

IN 200603-01-0 CAPLUS
CN Kestylum, 9-[4-amino-2-[(diethylamino)carbonyl]phenyl]-3,6-

LE ANDER 24 0F 45 CAPLUS OMPKIGET 2006 ACS on STM (Continued)

IN 200603-09-0F CAPLUS
CN Kestylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(pyromethoxy)phenyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

IN 200603-01-0 CAPLUS
CN Kestylum, 9-[4-(chloromethyl)-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

IN 200603-02-0 CAPLUS
CN Kestylum, 9-[4-(acetoxyethyl)-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)

LE ANDER 24 4F 43 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)

● Cl⁻

BN 200600-44-3 CAPLIS
CN Xanthylum, 9-[4-(aminomethyl)-3-[(diethylamino)carboxyl]phenyl]-3,6-bis(diethylamino)-, chloride, hydrochloride (1:1:1) (CA INDEX NAME)

● Cl⁻

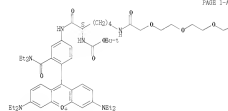
● HCl

BN 200600-49-8 CAPLIS
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carboxyl]-4-[[[(2S)-2-[[[1,1'-bis(4-ethoxyphenyl)amino]-4-[[[2-(2-methyl-1-oxo-2-propenyl)-5-aminyl]-1-oxododecyl]amino]-1-oxohexyl]amino]phenyl]]-, chloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

LE ANDER 24 4F 43 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A

● Cl⁻

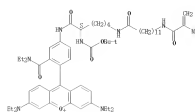
PAGE 1-B



BN 200600-50-3 CAPLIS
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carboxyl]-4-[[[(2S)-2-[[[1,1'-bis(4-ethoxyphenyl)amino]-2-methyl-1,8,20-trioxo-1,10,16-triazine-7,19-diazadecan-21-en-1-yl]amino]phenyl]]-, chloride (1:1) (CA INDEX NAME)

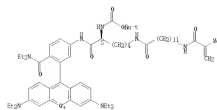
Absolute stereochemistry.

LE ANDER 24 4F 43 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)

● Cl⁻

BN 200600-70-1 CAPLIS
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carboxyl]-4-[[[(2S)-2-[[[1,1'-bis(4-ethoxyphenyl)amino]-4-[[[2-(2-methyl-1-oxo-2-propenyl)-5-aminyl]-1-oxododecyl]amino]-1-oxohexyl]amino]phenyl]]-, chloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

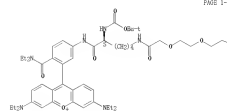
● Cl⁻

BN 200600-79-0 CAPLIS
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carboxyl]-4-[[[(2S)-2-[[[1,1'-bis(4-ethoxyphenyl)amino]-2-methyl-1,8,20-trioxo-1,10,16-triazine-7,19-diazadecan-21-en-1-yl]amino]phenyl]]-, chloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

LE ANDER 24 4F 43 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A

● Cl⁻

PAGE 1-B



RE CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE PRINT

LS AENEER 26 OF 43 CAPLUS OMPYKRIGHT 2006 ACS ON STN (Continued)

AK 1997-12189 CAPLUS

IN 129-41649

ORIP 129-8026, 8045A

TI High capacity optical recording medium containing xanthene dyes

IN Bullett, Heinz; Schmidhalter, Beat; Bodly, Jean Luc

PA Ciba Specialty Chemicals Holding Inc., Swiss

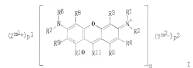
SO Eur. Pat. Appl., 50 pp.

DE 199607722

LA 19960415

PAN OCT 1

PATENT NO.	SYNO	DATE	APPLICATION NO.	DATE
FI 1996441	AT	19971106	EP 1997-610048	19970622
EP 196441	JP	19960400		
IL 196441	DE	19960400		
CA 2206109	GB, IT, ES, NL, SE	19971106	CA 1997-2206109	19970601
CA 1997722	A	19960415	JP 1997-114720	19970602
FRAT 12 106-1115	A	19960400		
GR 1997AT 129-41649				
GT				



L5 ANSWER 25 OF 45 CAPLIS COPYRIGHT 2006 ACS on STM (Continued)

PAGE 1-A



PAGE 2-A

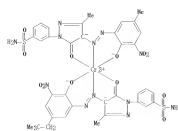


IN 199006-76-0 CASUS
CN Xanthine, 3, 6-bis-(diethylamino)-9-[2-[[[di(4-propylamino)carboxyl]phenyl]-3, 4-[[[2-(4-dimethylpropyl)-2-hydroxy-~~400~~-3-mitrophenyl]azo-~~400~~]-4, 5-dihydro-3-methyl-3-(oxo-~~400~~-11-pyrazol-1-yl)benzenesulfonamido[2-]]-3, 4, 5-dihydro-4-[[2-(hydroxy-~~400~~-5-methyl-3-nitrophenyl)azo-~~400~~]-5-(oxo-~~400~~-12-pyrazol-1-yl)benzenesulfonamido[2-]]chromene (1-)
(C) (CA INDEX NAME)

OK 1

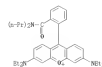
CSN 199005-75-9
CMF CS8 H36 Cr N12 012 53
CCT CCS

15 ANSWER 25 OF 45 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)



Q11 2

CSN 199606-69-1
CWF C34 H44 NO 06



RX 19066-78-2 CAPJIS
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(dipropylamino)carbonyl]phenyl]-,
 bis[3-[[4,8-dihydro-3-methyl-6-oxo-4H-pyran-2-yl]phenyl]-1H-pyrazol-4-yl]azo-
 4H-pyran-2-yl]-N-hexyl-4-(hydroxybenzenesulfonamido)C(=O)-
)cobaltate(1-)(9CI) (CA INDEX NAME)

Of 1

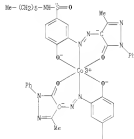
CRM 190006-77-1
CMF 044 BE0 Co N10 08 S2
CCI CCS

L6 ANSWER 26 OF 43 CAPLIS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



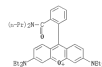
PAGE 3-A



OK 2

LE ANSWER 26 OF 43 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

CRN 190606-69-1
CNF C34 B44 NG 00

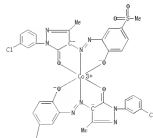


RX 100006-96-2 CAPJUS
 CN Kanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-,
 bis[2-(3-chlorophenyl)-2,4-dihydro-4-[[3-(hydroxy-~~40~~)-6-
 (methylsulfonyl)phenyl]azo-~~41~~]-5-methyl-5H-pyrazol-3-onylo(2)-]-
~~42~~ cobaltate (1-) (9CI) (CA INDEX NAME)

Of 1

CIN 190045-85-1
CNP C34 B26 C12 Co NS 06 S2
CCT C25

PAGE 1-A

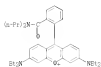


PAGE 2-A



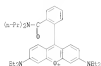
LE ANWER 26 OF 43 CAPLIS OMPKIGIT 2006 ACS on STN (Continued)

CM 2

CIN 199065-69-1
COP C34 B44 NS 02

BN 190605-81-3 CAPLIS
CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2,4-dihydro-4-[(2'-hydroxy-4'-nitrophenyl)azo-4-N]-5-methyl-2-phenyl-2H-pyrazol-5-one(2'-)-4N]cobaltate(1-)
(AC1) (CA INDEX NAME)

CM 1

CIN 199065-69-1
COP C34 B44 NS 02

CM 2

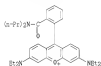
CIN 51114-18-8
COP C32 B22 CO NS 06
CC1 CCS

LE ANWER 26 OF 43 CAPLIS OMPKIGIT 2006 ACS on STN (Continued)

PAGE 2-A

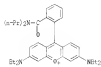


CM 2

CIN 199065-69-1
COP C34 B44 NS 02

BN 190605-89-8 CAPLIS
CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2-(4,6-dihydro-2-methyl-2-(oxo-4-N)-1-phenyl-1H-pyrazol-4-yl)azo-4N]chromate(2--4N)chromate(1-)
(AC1) (CA INDEX NAME)

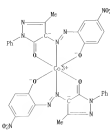
CM 1

CIN 199065-69-1
COP C34 B44 NS 02

CM 2

CIN 50585-00-0
COP C34 B24 Cr NS 06
CC1 CCS

LE ANWER 26 OF 43 CAPLIS OMPKIGIT 2006 ACS on STN (Continued)

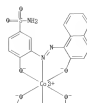


BN 190605-69-5 CAPLIS
CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[4-(hydroxy-4'-nitrophenyl)-2-(hydroxy-4'-nitrophenylamino-4N)]benzenesulfonate(2-)-cobaltate(1-)
(AC1) (CA INDEX NAME)

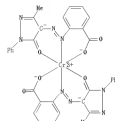
CM 1

CIN 199065-69-4
COP C32 B22 CO NS 02
CC1 CCS

PAGE 1-A

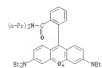


LE ANWER 26 OF 43 CAPLIS OMPKIGIT 2006 ACS on STN (Continued)



BN 190605-96-3 CAPLIS
CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2,4-dihydro-4-[(2'-hydroxy-4'-nitrophenyl)azo-4N]]-5-methyl-2-phenyl-2H-pyrazol-5-one(2'-)-4N]chromate(1-)
(AC1) (CA INDEX NAME)

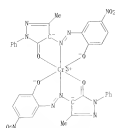
CM 1

CIN 199065-69-1
COP C34 B44 NS 02

CM 2

CIN 51274-14-2
COP C32 B22 CO NS 06
CC1 CCS

LE ANWER 26 0F 4S CAPLIS OMPYKIGET 2006 ACS on STM (Continued)



BN 190606-00-2 CAPLIS
CN Anthyllum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)



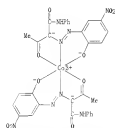
BN 190606-10-5 CAPLIS
CN Anthyllum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)

LE ANWER 26 0F 4S CAPLIS OMPYKIGET 2006 ACS on STM (Continued)

CM 1
CEN 190606-26-3
COP C20 I26 NO 02



CM 2
CEN S1745-70-6
COP C22 I24 Co NH 01.0
CCZ C22



BN 190606-29-4 CAPLIS
CN Anthyllum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, bis[2-[[2-(hydroxy-40)-5-nitrophenyl]azo-40]-5-(oxo-40)-N-phenylacetamide(2-)]cobaltate(1-3) (QC1) (CA INDEX NAME)

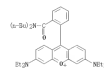
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CEN 190606-28-5
COP C22 I16 NO 02

LE ANWER 26 0F 4S CAPLIS OMPYKIGET 2006 ACS on STM (Continued)



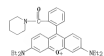
● Cl⁻

BN 190606-11-4 CAPLIS
CN Anthyllum, 9-[2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

BN 190606-12-7 CAPLIS
CN Anthyllum, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

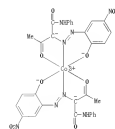
BN 190606-27-4 CAPLIS
CN Anthyllum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, bis[2-[[2-(hydroxy-40)-5-nitrophenyl]azo-40]-2-(oxo-40)-

LE ANWER 26 0F 4S CAPLIS OMPYKIGET 2006 ACS on STM (Continued)



CM 2

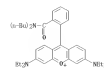
CEN S1745-70-6
COP C22 I24 Co NH 01.0
CCZ C22



BN 190606-31-0 CAPLIS
CN Anthyllum, 9-[2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, bis[2-[[2-(hydroxy-40)-5-nitrophenyl]azo-40]-2-(oxo-40)-N-phenylacetamide(2-)]cobaltate(1-3) (QC1) (CA INDEX NAME)

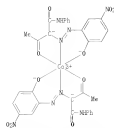
CM 1

CEN 190606-20-9
COP C26 I16 NO 02



LE ANWER 26 0F 43 CAPLIS OMPYKIGET 2006 ACS on STM (Continued)

CM 2

CIN E1745-75-6
CIP C32 B24 Co N8 01.0
CCI C23

IN 190606-33-9 CAPLIS
CN Anthranilium, 3,6-bis(diethylamino)-9-[2-[(1-phenylidene)carboxyl]phenyl],
bis[2-[(2-phenylamino)-5-nitrophenyl]acetate(1-)] (see 483) (3-oxo-4H-
N-phenylbutanamide(2-))cobaltate(1-)? (XC1) (CA INDEX NAME)

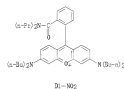
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CIN 199406-32-1
CIP C33 B40 N8 02

CM 3

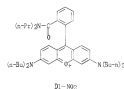
CIN E1745-75-6
CIP C32 B24 Co N8 01.0
CCI C23

LE ANWER 26 0F 43 CAPLIS OMPYKIGET 2006 ACS on STM (Continued)

Di-NO₂● Cl⁻

IN 190744-96-1 CAPLIS
CN Anthranilium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carboxyl]-4-(or
5-nitrophenyl)], bis[2-[(2-phenylamino)-5-nitrophenyl]acetate
(see 483) (3-oxo-4H-N-phenylbutanamide(2-))cobaltate(1-)? (XC1)
(CA INDEX NAME)

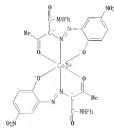
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CIN 199744-94-9
CIP C42 B23 N4 04
CCI C23Di-NO₂

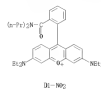
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CIN E1745-75-6
CIP C32 B24 Co N8 01.0
CCI C23

LE ANWER 26 0F 43 CAPLIS OMPYKIGET 2006 ACS on STM (Continued)

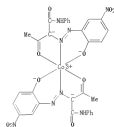


IN 190602-43-4 CAPLIS
CN Anthranilium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carboxyl]-4-(or
5-nitrophenyl)], chloride (1:1) (CA INDEX NAME)

Di-NO₂● Cl⁻

IN 190602-59-5 CAPLIS
CN Anthranilium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carboxyl]-4-(or
5-nitrophenyl)], chloride (1:1) (CA INDEX NAME)

LE ANWER 26 0F 43 CAPLIS OMPYKIGET 2006 ACS on STM (Continued)



IT 190744-96-0P
RE, REF (device component use); SYN (Synthetic preparation); FASP
(Preparation, REF (device)
(preparation of dye for high capacity optical recording medium)
IN 190744-96-0 CAPLIS
CN Anthranilium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carboxyl]-4-(or
5-nitrophenyl)], bis[2-[(2-phenylamino)-5-nitrophenyl]acetate
(see 483) (3-oxo-4H-N-phenylbutanamide(2-))cobaltate(1-), compd.
with sodium chloride (NaCl) (1:1)? (XC1) (CA INDEX NAME)

CM 1

CIN 190744-94-9
CIP C42 B23 N4 04
CCI C23

Cl=Na

CM 2

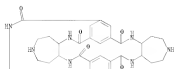
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CIP C42 B23 N4 04 C32 B24 Co N8 01.0

CM 5

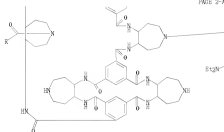
CIN 190744-94-9
CIP C42 B23 N4 04
CCI C23

LS ANKER 26 0F 4S CAPLSE OFFRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



LS ANKER 26 0F 4S CAPLSE OFFRIGHT 2006 ACS on STN (Continued)

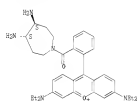
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

PAGE 3-A

● Cl⁻

IN 161196-49-7 CAPLSE
CN Aspartim, 9-[2-[[[4S,5R]-4,5-diaminohexahydro-1H-azepin-1-yl]carbonyl]phenyl]-2,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)

Absolute stereochemistry



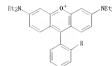
● Cl⁻

LS ANKER 26 0F 4S CAPLSE OFFRIGHT 2006 ACS on STN (Continued)

PAGE 2-B



PAGE 3-A



CM 3

CMN 14477-72-6

CMF C2 P3 M2

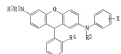


IT 161196-64-3P 161196-49-7P
RE: RLT (abstract), JPN Synthetic preparation), FRP (Preparation), IACT (Reaction or reagent)
(Sequence-selective binding of combinatorial library peptides in water by a synthetic receptor)
IN 161196-64-3 CAPLSE
CN Anthranil, 8, 2'-[[17,45,63,78-tetrakis[1,1-dimethylethoxy]carbonyl]-1,2,4,5-tetra, 6,7,14,16a,15,16,17,18,19,19a,20,21,27,28,28a,29,30,32,33,33a,34,35,42,43,44,45,46,47,47a,48,49,50,56,56a,61,62,63,64,65,66,74,75,76,77,78,79-diepoxyoctadecahydro-7,13,21,27,33,41,49,55,59,69,71,81-dodecacosyl, 11H, 5,11, 6,11, 6,11, 7,11, 24,24,32,32-bis[trimethylammonio(4,5)-endo-aspiro[3.1]nonethane]-8,12,22,26,36,69,69a,69c, 1-[[1,4,12,15,23,26,34,37]octaazapentadecatecatenatene-3,51,63-bis(carbonyl)-2,1-phenylene]bis[4,6-bis(diethylamino)-, dichloride, [salt: C4aH, 14aH, 15aH, 25aH, 33aH, 43aH, 47aH, 50aH, 60aH, 60bH, 70aH, 70bH]-[Cl-] (CA INDEX NAME)

LS ANKER 26 0F 4S CAPLSE OFFRIGHT 2006 ACS on STN

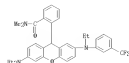
IN 1992-131465 CAPLSE
IN 13613465
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IN 13613465
IN Optical image-recording material
IN Tomohisa, Nishio; Iwamura, Ken; Endo, Tomoki; Sasaki, Keizo
IN Fujifilm Photo Film Co., Ltd., Japan
IN U.S., 7 pp.
IN ODDEN: US&AM
IN Patent
IN English
IN PAT. INT. 2

PAT. NO.	KIND	DATE	APPLICATION NO.	DATE
P1 US 0961533	A	1990-06-04	US 1990-011965	1990-0011
JP 63016323	A	1990-06-04	JP 1990-011965	1990-0011
JP 63259131	A	1990-11-19	JP 1990-076699	1990-0018
FR 1989-160155	A	1990-06-04		
JP 1990-076699	A	1990-06-04		
DE 1989-160155	A	1990-06-04		
01				



1

AB An optical recording material is described in which (1) a reducing agent and (2) a composition containing a photoinducible agent and an oxidizable leuco dye are used where one of the above components is microencapsulated and the other one is not. The microcapsules have walls made from a material which lowers its permeability barrier to H₂ component selected from the reducing and oxidizing agents when the wall material is heated above its glass transition temperature. The leuco dye is 1 (R₁, R₂ = alkyl, alkoxy, alkaryl, aryl, R₃ = alkyl, R₄ = alkyl, carbonyl, amino, OH, RS = (R₅), R₆ = electron-attracting group). The material can produce images with excellent stability and a black hue.
IT 136063-90-7
RE: US&AM (U.S.)
IN 136063-90-7 CAPLSE
CN Bismuth-2, 3-bis[4-ethylamino]-2-[4-ethyl[2-(trifluoromethyl)phenylamino]-9H-xanthen-9-yl]]-N,N-dimethyl- (CA INDEX NAME)



LA ANSWER 30 OF 43 CAPLID: COPYRIGHT 2006 ACS on STN (Continued)

LS ANSWER 30 OF 43 CAPLID: COPYRIGHT 2006 ACS on STN
 AN 1990-218769 CAPLID
 DE 112-235769
 ORSP 112-262446, 262454
 TT Basic fluorescent dyes, jet-printing inks containing them, and their use in dyeing paper
 IN Meyer, Hans Overlinter, Andreas
 PA BASF A.-G., Fed. Rep. Ger
 SO Ber. Pat. Anst., 6 ju
 OOEN: EP1416W
 DT Patent
 LA German
 PAN CNT 1
 PATENT NO. KIND DATE APPLICATION NO. DATE

F1	EP 541699	A2	1969-1227	EP 1969-110667	19800610					
	EP 541699	A5	1990-0227							
	EP 541699	B2	1982-11-10							
	B	AC	CL	DE	FK	GL	IT	LL	NL	SE
	DE 3583110W	A	1990-06-15	DE 1988-382110W	19890625					
	C	1990-08-12	CA 1989-661836	19900606						
	AT 92163	T	1982-11-15	AT 1989-110667	19800610					
	US 4525-069	A	1990-06-19	US 1989-564850	19800616					
	FI 5900-045	A	1991-01-24	FI 1989-3946	19800621					
	FI 92268	B	1990-02-28							
	FI 92268	C	1990-06-10							
	JP 60-61561	A	1990-06-21	JP 1969-163627	19800625					
	DE 1989-382110W	A	1989-06-25							
	EP 1989-14067	A	1990-06-10							
	ORSPAT 112-235769									
	GI									

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA REFLINE PRINT *

AS Basic dyes I (A = aryl; L = C₁₀ alkylene, R1-R3 = H, (un)substituted C₁₋₁₀ alkyl or C₂₋₇ cycloalkyl, or R1R2 = pyrrolidino, piperidino, morpholino, piperidino, N-(C₁₋₄ alkyl)piperidino, n = 0, 1) are useful for dyeing paper materials or as colorants for jet-printing inks. Thus, it was found with Me₂SO/DMF in the presence of 200 g at 120° for 6 h producing 1 (L = CH₂CH₂CH₂, R1 = R2 = Me, n = 0), Imax 834 nm, which dyed paper a brilliant, fast red shade

IT 125282-76-00
 RL: IMP (Industrial manufacture); RCT (Reagent); PREP (Preparation); RCT (Reaction or reaction)
 manufacture and quaternization of, as red dye for paper and jet-printing inks)

IN 125282-76-00 CAPLID
 CN Benzaniline, N-[2-(dimethylamino)propyl]-2-[6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-5H-benzothien-9-yl]-8-[2-[6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-5H-benzothien-9-yl]benzoyl]-N,N,N-trimethyl-, methyl sulfate (RCT) (CA INDEX NAME)

LA ANSWER 30 OF 43 CAPLID: COPYRIGHT 2006 ACS on STN (Continued)



IT 125190-68-00
 RL: PREP (Preparation)
 manufacture of, as dye for paper and jet-printing inks)

IN 125190-68-00 CAPLID
 CN 2-(7-(2-(dimethylamino)propyl)-2-(6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-5H-benzothien-9-yl)benzoyl)amino-N,N,N-trimethyl-, methyl sulfate (RCT) (CA INDEX NAME)

OR 1
 ORN 125190-68-00
 ORP 125190-68-00



OR 2
 ORN 125190-68-00
 ORP 125190-68-00

LA ANSWER 30 OF 43 CAPLID: COPYRIGHT 2006 ACS on STN (Continued)

Me-O-SO₃⁻

LS NUMBER 34 4F 43 CAPLUS OMPYKRIGHT 2006 ACS on STN
 AN 1998-102001 CAPLUS

ORIP 106-1655A, 1656A

TI Thermal recording materials

IN Akita, Masao; Tsunimoto, Yoshihiko; Asano, Makoto

RI Aichi Tsuta Chemicals, Inc., Japan

SO Jpn Kokai Tokkyo Koho, 4

0000 JKKKAP

JF Patent

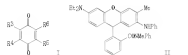
LA Japanese

FA PATENT NO

FI 4501173

FRAT JP 1996-165506

GI



AB Thetitle recording materials contain (1) a colorless or pale-colored lactone compound dye precursor; (2) a meline compound of the formula (C6H4)2N (n = 1, 2, 3, 4, R1, R2 = Bu, naphthalene, aromatic heterocyclic ring, lysine substituents selected from alkyl, alkoxy, cyanoalkyl, halo, alkyl, aryl, substituted amino, if R1, R2 = Bu, naphthalene, the compound has 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 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3718, 3720, 3722, 3724, 3726, 3728, 3730, 3732, 3734, 3736, 3738, 3740, 3742, 3744, 3746, 3748, 3750, 3752, 3754, 3756, 3758, 3760, 3762, 3764, 3766, 3768, 3770, 3772, 3774, 3776, 3778, 3780, 3782, 3784, 3786, 3788, 3790, 3792, 3794, 3796, 3798, 3800, 3802, 3804, 3806, 3808, 3810, 3812, 3814, 3816, 3818, 3820, 3822, 3824, 3826, 3828, 3830, 3832, 3834, 3836, 3838, 3840, 3842, 3844, 3846, 3848, 3850, 3852, 3854, 3856, 3858, 3860, 3862, 3864, 3866, 3868, 3870, 3872, 3874, 3876, 3878, 3880, 3882, 3884, 3886, 3888, 3890, 3892, 3894, 3896, 3898, 3900, 3902, 3904, 3906, 3908, 3910, 3912, 3914, 3916, 3918, 3920, 3922, 3924, 3926, 3928, 3930, 3932, 3934, 3936, 3938, 3940, 3942, 3944, 3946, 3948, 3950, 3952, 3954, 3956, 3958, 3960, 3962, 3964, 3966, 3968, 3970, 3972, 3974, 3976, 39

LS NUMBER 36 4P 43 CAPLUS OFFRIGHT 2006 ACS on STN
 AK DPT 578974 CAPLUS
 IN 10717074
 ORIP 007-386564,286564
 IT Full-sate temperature indicators
 IN Hasegawa, Hiroaki; Tsutsumi, Haruo; Tanaka, Shuji; Maehara, Shirokazu;
 Kato, Masahito
 PA Mitsui Toatsu Chemicals, Inc., Japan
 OP 3-1-1, Kashi, Tokyo 135, 9 pp.
 ORIP 007-386564
 IT Patent
 LA Japanese
 FAK CH 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI 01 6014228	A	19970627	JP 1995-253121	19961116
FI 01 6004063	B	19990422		
AI 01 1965-253121		19951116		

AI 01 1965-253121
 A full-sate temperature indicator is a printed label irreversibly coloring on its surface portion after an exposure of the label at above a specified temperature (thermoindicational coloring portion) and on another portion after an activation of the label for use (operational coloring portion). The thermoindicational coloring material printed on a support sheet is a microcapsule system containing a wettable pigment precursor, an oxidation agent, and a hydrophobic organic compound having a specific m.b. The operational coloring material is an oxidation agent and a microcapsule system containing the wettable pigment precursor in insoluble organic solvent. Thus, 5 weight% 2-methyl-6-chloro-7-methyl-9-(2-diethylphenylamino)thiophenyl)anthracene dissolved in Me acetate was microencapsulated by in-situ polymerization of formylolene/ethylene copolymer and mixed with a latex 15, Me alginate 5, and trimethylbenzylammonium chloride 2 weight parts/100 parts/microcapsule for an aqueous printing material. Also, 2 weight% 4,4'-bis-(diethylamino)-2'-methyl-6'-ethoxythiophenylmethane in thiophenyl ethane was microencapsulated with a melamine polymer and mixed with 2,2'-bis-(4-methylphenyl)-3-benzoylthiophenyl-1,4-benzodioxane, talc, kaolin, black, and a thickening agent for aqueous 400 printing material. Each aqueous printing material was set, printed (thickness 10 μm) each on a polyethylene terephthalate label over a coloring coating mixture containing 2,2'-bis-(4-methylphenyl)-3-benzoylthiophenyl-1,4-benzodioxane 5, latex 6, binder 1, Ca borate 20, and stirred kaolin 90 weight parts. The second microcapsule coating portion was prepared by a roll 500 kg/cm at 10° in labeling on a stamp feed to color on a printed pattern to green (operational coloring), stored at 100°C for 24 h, and then exposed to IR to color on the first microcapsule coating portion to dark red in 3 h.

IT 0007-16-0
 E. (See: (2006))
 IN Pigment precursors for microencapsulated coloring temperature indicators)
 ORIP 0007-16-0 CAPLUS
 IN Benzamide, 2-[5-chloro-6-(diethylamino)-2-methyl-3H-xanthen-9-yl]-N,N-dimethyl-1'-pyrenyl- (CA INDEX NAME)

LS NUMBER 36 4P 43 CAPLUS OFFRIGHT 2006 ACS on STN (Continued)



LS NUMBER 36 4P 43 CAPLUS OFFRIGHT 2006 ACS on STN (Continued)



IN 166392-25-0 CAPLUS
 ON Benzamide, N,N-dimethyl-2-[6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-3H-xanthen-9-yl]- (CA INDEX NAME)



AS Rudsane compounds 1 (Ar = aryl; n = 0-1; R, R1, R2 = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted aryl, or N(R2) = heterocyclic ring; R3 = H, Cl-4 alkyl; R4 = (un)substituted alkyl, (un)substituted aryl, aryl, heterocyclic, or N(R4) = heterocyclic ring; R5 = H, Cl, Br, Cl-4 alkyl, Cl-4 alkyl, N(R5) are useful for dyeing paper materials. Thus, Rudsane 278 was combined with DICEDON with the aid of NaOH, and treated with NaOH forming 1 (Ar = Ar, n = 0, R = R1, R2 = R3 = X = H, R4 = Me, R5 = C2H5).
 IT 000292-24-0P 100292-25-0P
 E. 2M (Industrial manufacture); TM (Technical or engineered material use); P (Preparation); (See: (2006))
 IN (See: (2006))
 IN 166392-24-0 CAPLUS
 ON Benzamide, 2-[6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-3H-xanthen-9-yl]-N,N-dimethyl- (CA INDEX NAME)

LS ANKER 39 09 43 CAPLUS OFFRIGHT 2006 ACS on STM (Continued)
CN Benzamide, 2-[9-(diethylamino)-1H-benzo[a]naphth-10-yl]-N,N-diethyl-
(CA INDEX NAME)



BN 96567-08-0 CAPLUS
CN Benzamide, 2-[5-chloro-6-(diethylamino)-2-methyl-1H-naphth-9-yl]-N,N-diethyl- (CA INDEX NAME)



BN 96567-09-1 CAPLUS
CN Benzamide, 2-[5-(4-chloro-6-(diethylamino)-2-(phenylamino)-9H-anthracen-9-yl)-N-methyl-N-phenyl- (CA INDEX NAME)

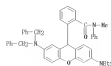


BN 96567-10-4 CAPLUS
CN Benzamide, 2-[5-(4-(4-chloro-6-(diethylamino)-2-(phenylamino)-9H-anthracen-9-yl)-N-methyl-N-phenyl- (CA INDEX NAME)

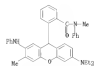


LS ANKER 39 09 43 CAPLUS OFFRIGHT 2006 ACS on STM (Continued)

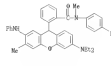
LS ANKER 39 09 43 CAPLUS OFFRIGHT 2006 ACS on STM (Continued)



BN 96567-11-6 CAPLUS
CN Benzamide, 2-[6-(diethylamino)-3-methyl-2-(phenylamino)-9H-anthracen-9-yl]-N-methyl-N-phenyl- (CA INDEX NAME)



BN 96567-13-7 CAPLUS
CN Benzamide, 2-[6-(diethylamino)-3-methyl-2-(phenylamino)-9H-anthracen-9-yl]-N-methyl-N-(4-methylphenyl)- (CA INDEX NAME)



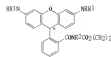
BN 96567-14-8 CAPLUS
CN Benzamide, 2-[6-(4-(4-chloro-6-(diethylamino)-2-methyl-2-(phenylamino)-9H-anthracen-9-yl)-N-methyl-N-phenyl- (CA INDEX NAME)



LS ANKER 40 09 43 CAPLUS OFFRIGHT 2006 ACS on STM

BN 1992-121217 CAPLUS
BN 1992-121217
DEP 96-02006a, 96006a
TI Anthracene compounds and photoanionic products
CN Cinetiva, Louis F. Riley, James W.
PA Polaroid Corp., USA
SP U.S.S. 46 pp.
CODEN: USXIAM
PT Patent
LA English
FOL 002

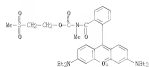
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1	US 6109060	A	1999-05-25	US 1979-106900	1979-12-16
	US 6109062	A	1999-05-25	US 1980-154639	1980-03-10
PRI	US 1979-106900	AS	1979-12-06		
CI					



AB Anthracene dyes which can be used as filter dyes in diffusion-transfer or conventional photocopiers and irreversibly decolorized by an alkaline processing composition are represented by the formula I (U = H, alkyl; R1, R2 = alkyl, phenyl; Z = electron withdrawing group; Ar = aryl). Thus, a poly(ethylene terephthalate) support was coated with a polymeric layer containing partial Bu ester of poly(ethylene-maleic anhydride) 3 and poly(vinyl butyral) 1 part coated at coverage 2000 mg/ft², a tinting layer containing (4:1 ratio of Bu acrylate-diisobutyl methacrylate acid-vinyl polymer and poly(vinyl alcohol) at coverage 500 mg/ft², a layer containing a graft copolymer of 4-vinylpyridine and vinylbenzyltrimethylammonium chloride grafted on heterocyclic cellulose and 1 (R, R1 = Et, R2 = Me, Z = COOMe, Ar = C₆H₄) coated at coverage 100 mg/ft² to provide an image-receiving component. When in NaOH solution was applied to the image-receiving component the dye 1 was rendered colorless and remained colorless for 36

IT 96042-09-2
RL: FWO (Process)
US (Photocopy filter dye, preparation of)
BN 96042-09-2 CAPLUS
CN Anthracene, 3,6-bis[4-(diethylamino)-9-[2-[methoxy[2-(4-methylsulfonyl)ethoxy]carbonyl]amino]phenyl]-, iodide (1:1) (CA INDEX NAME)

LA ANDERER 40 09 45 CAPLUS OMPFRIKST 2006 ACS on STN (Continued)



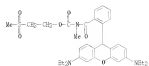
IT 90018-91-8

RE USSE (Uses)

(in preparation of photo. filter dye)

IN 90018-91-8 CAPLUS

CN Carboxylic acid, [2-[(2,6-bis(diethylamino)-9-methoxy-9-phenyl)benzyl]methyl, 2-(methylsulfonyl)ethyl] ester (XCI) (CA INDEX NAME)



IT 90018-91-8

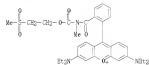
RE USSE (Uses)

(filter dev. for photo. films, manufacture of)

IN 90018-91-8 CAPLUS

CN Carboxylic acid, 2-[[2,6-bis(diethylamino)-9-[[2-[[methyl[[2-(methylsulfonyl)ethoxy]carbonyl]amino]carbonyl]phenyl]-1-iodide (I)] (CA INDEX NAME)

LA ANDERER 41 09 45 CAPLUS OMPFRIKST 2006 ACS on STN (Continued)

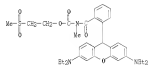


IT 90018-91-8

RE USSE (Industrial manufacture, RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent))

IN 90018-91-8 CAPLUS

CN Carboxylic acid, [2-[(2,6-bis(diethylamino)-9-methoxy-9-phenyl)benzyl]methyl, 2-(methylsulfonyl)ethyl] ester (XCI) (CA INDEX NAME)



IT 90018-91-8

RE USSE (Uses)

(dyeing of polycrystalline fibers by)

IN 90018-91-8 CAPLUS

CN Carboxylic acid, 2-[[2-(diethylamino)-9-[[2-(2-pyridinyl)carbonyl]phenyl]-2-methoxy-9-iodide] (I)] (CA INDEX NAME)

LA ANDERER 41 09 45 CAPLUS OMPFRIKST 2006 ACS on STN

IN 106215846 CAPLUS

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LS NUMBER 43 OF 43 CAPLID COPYRIGHT 2006 ACS on STN

AK 1916 91547 CAPLID

BY 94-91547

QREF 9414561a, 14954a

T1 Colocation process

TX Hughes, Nigel; Long, John L

PA Imperial Chemical Industries Ltd, UK

SO Brit., 20 10

OSDN INDEXA

DE Patent

LA English

PAN CFI 1

PATENT NO.	SYNO	DATE	APPLICATION NO.	DATE
GB 1407331	A	19930604	GB 1963-0588	19940909
FRAT GB 1407330-888	A	19930609		

FI 1407331

FRAT GB 1407330-888

Q1 For Diagrams, see printed CA issue

AB Acrylic fibers were dyed with, light, and wash-fast scarlet and blue-red by methanamine derivative I (8817-89-2) and derivative II [

8817-89-2], resp.

IT 8817-89-2 8817-91-6

SC 0881-0881

SD Dyeing of acrylic fibers by)

BN 8817-89-2 CAPLID

OR Ethanaminium, N-[7-bleu-9-[2-[(diethylamino)carboxyl]phenyl]-6-methyl-10-anthryl-9-ylidene]-N-ethyl-, acetate (XCT) (CA INDEX NAME)

CM 1

CNN 8817-89-1

CMF C2 H2 C1 N2 O2



CM 2

CNN 71-50-1

CMF C2 H2 O2



BN 8817-91-6 CAPLID

OR Ethanaminium, N-[7-bleu-9-[2-[(diethylamino)carboxyl]phenyl]-6-methyl-10-anthryl-9-ylidene]-N-ethyl-, acetate (XCT) (CA INDEX NAME)

LS NUMBER 43 OF 43 CAPLID COPYRIGHT 2006 ACS on STN (Continued)

CM 1

CNN 8817-90-5

CMF C2 H2 N2 O2



CM 2

CNN 71-50-1

CMF C2 H2 O2



=> d his

(FILE 'HOME' ENTERED AT 09:52:30 ON 06 NOV 2008)

FILE 'REGISTRY' ENTERED AT 09:52:47 ON 06 NOV 2008

L1 STRUCTURE UPLOADED
L2 26 S L1
L3 475 S L1 FULL
L4 132 S L3 AND ED<12/18/2003

FILE 'CAPLUS' ENTERED AT 09:56:32 ON 06 NOV 2008

L5 43 S L4

=> fil reg

FILE 'REGISTRY' ENTERED AT 09:57:48 ON 06 NOV 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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provided by InfoChem.

STRUCTURE FILE UPDATES: 4 NOV 2008 HIGHEST RN 1070859-34-5

DICTIONARY FILE UPDATES: 4 NOV 2008 HIGHEST RN 1070859-34-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

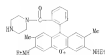
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

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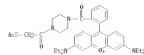
LA ANWER 1 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
IN 606126-19-2 REGISTRY
SD Entered STN: 25 Oct 2008
CN Xanthylum, 3,6-bis(ethylamino)-5,7-dimethyl-9-[[2-[(1-piperazinyl)carbonyl]phenyl]- (CA INDEX NAME)
MF C20 H26 N4 O2
SI CA
LC STN Files: CA, CAPLUS, CASREACT



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REFERENCE 1: 159 256416

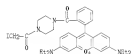
LA ANWER 2 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
IN 606126-18-1 REGISTRY
SD Entered STN: 25 Oct 2008
CN Xanthylum, 9-[[2-[[4-(acetylthio)acetyl]-1-piperazinyl]carbonyl]phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)
OTHER CA INDEX NAMES: 2-[[4-(acetylthio)acetyl]-1-piperazinyl]carbonyl]phenyl]-3,6-bis(diethylamino)- (XCI)
MF C26 H34 N4 O4 S
SI CA
LC STN Files: CA, CAPLUS, CASREACT



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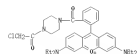
LA ANWER 3 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
IN 606126-21-0 REGISTRY
SD Entered STN: 25 Oct 2008
CN Xanthylum, 3,6-bis(diethylamino)-9-[[2-[[4-(2-iodoacetyl)-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Xanthylum, 3,6-bis(diethylamino)-9-[[2-[[4-(2-iodoacetyl)-1-piperazinyl]carbonyl]phenyl]- (XCI)
MF C24 H30 I N4 O2
SI CA
LC STN Files: CA, CAPLUS, CASREACT



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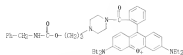
LA ANWER 4 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
IN 606126-16-9 REGISTRY
SD Entered STN: 25 Oct 2008
CN Xanthylum, 9-[[2-[[4-(2-siloroacetyl)-1-piperazinyl]carbonyl]phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Xanthylum, 9-[[2-[[4-(2-siloroacetyl)-1-piperazinyl]carbonyl]phenyl]-3,6-bis(diethylamino)- (XCI)
MF C24 H30 Cl N4 O2
SI CA
LC STN Files: CA, CAPLUS, CASREACT



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REFERENCE 1: 159 256416

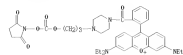
LA ANWER 6 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
 BN 006126-16-8 REGISTRY
 ID Entered STN: 22 Oct 2000
 CN Karchylum, 3,6-bis(diethylamino)-9-[2-[[4-[2-[[4-(2-hydroxyethyl)amino]carbonyloxy]propyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)
 MF C40 H52 N6 O4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 159-250416

LA ANWER 6 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
 BN 006126-16-7 REGISTRY
 ID Entered STN: 22 Oct 2000
 CN Karchylum, 3,6-bis(diethylamino)-9-[2-[[4-[2-[[11(2,6-diamino-3-oxo-1-oxo-1,2,3,4-tetrahydro-1H-pyridin-5-yl)oxy]carbonyloxy]propyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)
 MF C40 H44 N6 O7
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

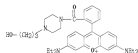


2 REFERENCES IN FILE CA (1969 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 148-215467

REFERENCE 2: 159-250416

LA ANWER 7 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
 BN 006126-15-6 REGISTRY
 ID Entered STN: 22 Oct 2000
 CN Karchylum, 3,6-bis(diethylamino)-9-[2-[[4-[2-hydroxypropyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)
 MF C26 H36 N4 O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

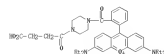


2 REFERENCES IN FILE CA (1969 TO DATE)
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REFERENCE 1: 142-150054

REFERENCE 2: 159-250416

LA ANWER 8 OF 152 REGISTRY COPYRIGHT 2009 ACS on STN
 BN 006126-15-5 REGISTRY
 ID Entered STN: 22 Oct 2000
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 MF C26 H34 N4 O5
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, HEPATULL

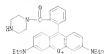


2 REFERENCES IN FILE CA (1969 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146-219641

REFERENCE 2: 159-250416

CA	NUMBER 9 OF THE REGISTRY COPYRIGHT 2008 ACS ON STN
IN	006136-11-4 REGISTRY
EN	Entered STN: 20 Oct 2008
CD	Xanthylam, 3,6-bis[(diethylamino)-9-[2-[(3-piperidinylcarbonyl)phenyl]-
	(CA INDEX NAME)
MF	C12 H29 N4 O2
CI	C18
CR	CA
LC	STN Files: CA, CAPLUS, CASREACT, USPATFULL



6 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CR
6 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCES 14 147-231848

REFERENCE 2. 14T 229066

REFERENCE 3. 146-319641

REFERENCE 4- 146-15811

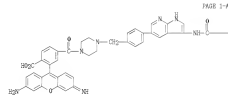
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LN ANSWER 11 OF 12 REGISTRY COPYRIGHT 2006 ACS ON STN
CN 007473-06-1 REGISTRY
CN Entered STN: 26 APR 2002
CN Benzoic acid, 2-(6-amino-5-hydroxy-naphthalen-9-yl)-4-[[4-[[4-(3-oxo-
pyridin-2-yl)butyl]amino]-1-methylpiperidin-2-yl]phenyl]methyl]-1-
piperazinyl]- (CA INDEX NAME)
CA 126 06 00
MF
SC
LN STN File#: CA, CAPCUS, TOXENTER

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PAGE 1-B

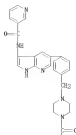
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1 REFERENCES IN FILE CAPUS (1967 TO DATE)
REFERENCE 1- 138-304365

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LA  ANKER 10 00 02 REGISTRY COPYRIGHT 2006 ACS on STM
LN  500 465-57-2 REGISTRY
LN  Entered STM. 30-Apr-2003
CN  Benzoic acid, 2-(6-amino-3-amino-5H-xanthen-9-yl)-5-[4-[4-[4-(3-
pyridinylcarbonyl)amino]-2H-pyrido[2,3-b]pyridin-5-yl]phenyl]methyl-1-
naphthalenyl]carboxylate; CA INDEX NAME
MF  CAS 126 86 05
LC  STM
LC  STM Files: CA, CAPLUS, T000:ENTER

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PAGE 1-A

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LC      CA
        STN Files:  CA, CAPLUS

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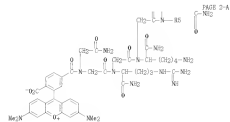
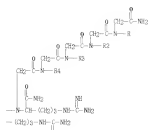
RELATED SEQUENCES AVAILABLE WITH SEQUNING

PAGE 1-A



LA ANKER 12 00 152 REBILITY COPYRIGHT 2006 ACS on STM (Continued)

PAGE 1-B



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PAGE 2-B

LA ANKER 13 00 152 REBILITY COPYRIGHT 2006 ACS on STM

IN 44602-00-7 REBILITY

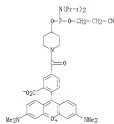
SD Entered STM 04 sep 2002

CN Acetylurea, 2-[[4-[[4-[[1-methyl[ethyl]amino]](2-carboxyphenyl)-5,6-bis(dimethylamino)-1,3-pyridinediyl]carbonyl]-2-carboxyphenyl]-5,6-bis(dimethylamino)-1,3-pyridinediyl]urea (CA 2004 NAME)

MF C29 H45 N9 O6 F

SD CA

LC STM Files: CA, CAPLIS

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLIS (1907 TO DATE)

REFERENCE 1: 157 144288

LA ANKER 12 00 152 REBILITY COPYRIGHT 2006 ACS on STM (Continued)

PAGE 3-A



PAGE 4-A

1 REFERENCES IN FILE CA (1907 TO DATE)
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REFERENCE 1: 158 49430

LA ANKER 14 00 152 REBILITY COPYRIGHT 2006 ACS on STM

IN 452004-70-7 REBILITY

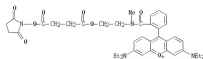
SD Entered STM 01 Jul 2002

CN Acetylurea, 2-[[4-[[4-[[1-methyl[ethyl]amino]](2-carboxyphenyl)-5,6-bis(dimethylamino)-1,3-pyridinediyl]carbonyl]-2-carboxyphenyl]-5,6-bis(dimethylamino)-1,3-pyridinediyl]urea (CA 2004 NAME)

MF C29 H45 N9 O6 F

SD CA

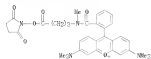
LC STM Files: CA, CAPLIS, USFATFILL

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLIS (1907 TO DATE)

REFERENCE 1: 141 39226

REFERENCE 2: 157 17446

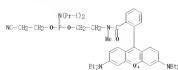
LA ANKER 15 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 435044-75-6 REGISTRY
SD Entered STN: 01 Jul 2002
CN Karthylum, 3,6-bis(dimethylamino)-9-[2-[[[4-[1,3,5-trisubstituted-1-oxo-2-oxa-4-phosphono-1-yl]phenyl]-5,6-bis(dimethylamino)- (C1) (CA INDEX NAME)
C1 155 NO 06
MF C40 H55 N4 O4 P
CI CA
SC CA
LC STN Files: CA, CAPLUS, USPATPULL



2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 141:39726
REFERENCE 2: 137:17446

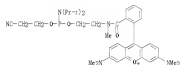
LA ANKER 16 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 435044-76-4 REGISTRY
SD Entered STN: 01 Jul 2002
CN Karthylum, 9-[2-[6-[bis(1-methylethyl)amino]-9-oxo-2-methyl-1-oxo-5,7-dioxo-2-oxa-4-phosphono-1-yl]phenyl]-3,6-bis(dimethylamino)- (C1) (CA INDEX NAME)
C1 155 NO 04 P
MF C40 H55 N4 O4 P
CI CA
SC CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATPULL



4 REFERENCES IN FILE CA (1969 TO DATE)
4 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 149:354040
REFERENCE 2: 145:369483
REFERENCE 3: 141:39726
REFERENCE 4: 137:17446

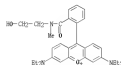
LA ANKER 17 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 435044-77-2 REGISTRY
SD Entered STN: 01 Jul 2002
CN Karthylum, 9-[2-[6-[bis(1-methylethyl)amino]-9-oxo-2-methyl-1-oxo-5,7-dioxo-2-oxa-4-phosphono-1-yl]phenyl]-3,6-bis(dimethylamino)- (C1) (CA INDEX NAME)
C1 167 NO 04 P
MF C40 H55 N4 O4 P
CI CA
SC CA
LC STN Files: CA, CAPLUS, USPATPULL



2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 141:39726
REFERENCE 2: 137:17446

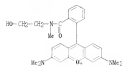
LA ANKER 18 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 435044-77-9 REGISTRY
SD Entered STN: 01 Jul 2002
CN Karthylum, 3,6-bis(dimethylamino)-9-[2-[[[4-[1,3,5-trisubstituted-1-oxo-2-oxa-4-phosphono-1-yl]phenyl]-5,6-bis(dimethylamino)- (C1) (CA INDEX NAME)
C1 155 NO 05
MF C40 H55 N4 O4 P
CI CA
SC CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATPULL



4 REFERENCES IN FILE CA (1969 TO DATE)
4 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 149:354040
REFERENCE 2: 146:212009
REFERENCE 3: 141:39726
REFERENCE 4: 137:17446

LA ANKER 19 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 62504-46-8 REGISTRY
SD Entered STN 02 Dec 2000
CN Xanthylum, 9-[2-[[4-[[[2,5-dioxo-1-pyrrolidinyl]oxycarbonyl]-1-
pyridinyl]carbonyl]phenyl]-5,6-bis(phenylamino)-, chloride (1)
MF C17 H20 N2 O2
SA CA
LC STN Files: CA, CAPLUS, USPATFULL



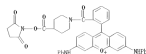
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1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146 212200

REFERENCE 2: 161 39226

REFERENCE 3: 127 17446

LA ANKER 20 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 218796-12-2 REGISTRY
SD Entered STN 12 Dec 2000
CN Xanthylum, 9-[2-[[4-[[[2,5-dioxo-1-pyrrolidinyl]oxycarbonyl]-1-
pyridinyl]carbonyl]phenyl]-5,6-bis(phenylamino)-, chloride (1)
MF C42 H28 N4 O2
SA CA
LC STN Files: CA, CAPLUS, USPATFULL
CN (74114-51-1)



● Cl⁻

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 126 1576

LA ANKER 21 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 061770-96-6 REGISTRY
SD Entered STN 09 Dec 2000
CN Benzamide, N-ethyl-2-[[2-(4-ethylamino)-3-(4-ethylimino)-2,7-dimethyl-3H-
xantho[5,6-f]pyridin-9-yl]methyl]-N-methyl- (CA INDEX NAME)
MF C29 H33 N3 O2
SA CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 126 261900

LA ANKER 22 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 242809-69-8 REGISTRY
SD Entered STN 22 Jan 2000
CN Xanthylum, 9-[2-[[[2-(4-ethylphenylamino)-2-methyl][5-[[[6-(4,4,6,6-tetrachloro-2-oxo-1H-3-pyridyl)-4-yl]imido]-4-yl]imido]-4-yl]-1-
oxopentyl]amino]pentyl]amino]carboxyl]phenyl]-5,6-bis(4-ethylamino)-,
chloride (1) (CA INDEX NAME)

OTHER CA INDEX NAME:
Xanthylum, 9-[2-[[[2-(4-ethylphenylamino)-2-methyl][5-[[[6-(4,4,6,6-tetrachloro-2-oxo-1H-3-pyridyl)-4-yl]imido]-4-yl]imido]-4-yl]-1-
oxopentyl]amino]pentyl]amino]carboxyl]phenyl]-5,6-bis(4-ethylamino)-,
chloride (NCT)

PS STEREOBOND

MF C41 H30 N4 O6 S 2 Cl

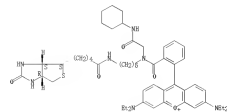
SA CA

LC STN Files: CA, CAPLUS, TOXCENTER

CN (724825-30-0)

Absolute stereochemistry.

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● Cl⁻

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1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 126 36371

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LA NUMBER 24 OF 153 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 040104-00-0 REG12707
 SD Entered STN 02 Jan 2000
 ON Xanthylum, 9,9'-[[2-(dimethylamino)propyl]amino]bis(carbonyl-2,1'-phenylene)]bis[4,6-bis(ethylamino)-2,7-dimethyl-, disulfate (DC1) (CA INDEX NAME)
 MF C17 H24 N6 O4 - 2 (2) 10 (0)
 CI OM
 CR

CM 1

CN 552670-50-0
 COT C17 H24 N6 O4



PAGE 1-A



PAGE 2-A

CM 2

CN 11-60-1
 COT C17 H24 N6 O4



LA NUMBER 24 OF 153 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 030670-50-0 REG12707
 SD Entered STN 06 Jan 2000
 ON Xanthylum, 9,9'-[[2-(dimethylamino)propyl]amino]bis(carbonyl-2,1'-phenylene)]bis[4,6-bis(ethylamino)-2,7-dimethyl-, (DC1) (CA INDEX NAME)
 MF C17 H24 N6 O4
 CI OM
 CR

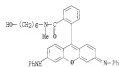
PAGE 1-A



PAGE 2-A



LA NUMBER 26 OF 153 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 040104-10-0 REG12707
 SD Entered STN 22 Nov 2000
 ON Benzamide, N-(6-(piperidinyl)-N-methyl-2-[6-(phenylamino)-3-(phenylimino)-3H-mathen-9-yl]- (CA INDEX NAME)
 MF C29 H37 N5 O
 CI CA
 CR STN Files: CA, CAPLIS, USPATFULL

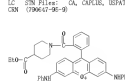


***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**

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 1 REFERENCES IN FILE CAPLIS (1900 TO DATE)

REFERENCE 1: 135-206549

LA NUMBER 26 OF 153 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 040104-10-0 REG12707
 SD Entered STN 22 Nov 2000
 ON Xanthylum, 9,9'-[[2-(dimethylamino)propyl]amino]bis(carbonyl-2,1'-phenylene)]bis[4,6-bis(ethylamino)-2,7-dimethyl-, disulfate (DC1) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 ON Xanthylum, 9,9'-[[2-(dimethylamino)propyl]amino]bis(carbonyl-2,1'-phenylene)]bis[4,6-bis(ethylamino)-2,7-dimethyl-, disulfate (DC1)
 MF C29 H37 N5 O
 CI CA
 CR STN Files: CA, CAPLIS, USPATFULL
 CR 170663-00-0



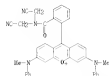
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2 REFERENCES IN FILE CA (1900 TO DATE)
 2 REFERENCES IN FILE CAPLIS (1900 TO DATE)

REFERENCE 1: 136-1076

REFERENCE 2: 135-206549

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LA ANSWER 27 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
RD 240742-41-4 REGISTRY
IN Entered STN: 02 Dec 1999
CN Xanthylone, 3-[[bis(4-oxo-2-phenyl-1,3-bis(4-oxo-2-phenyl-1,3,6-
triazin-5-yl)ethyl)amino]carbonyl]phenyl]-3,6-
bis(4-oxo-2-phenyl-1,3,6-triazin-5-yl)- (CA INDEX NAME)
C88 ISO NO 02
MF
SR
LC STN Files: CA, CAPUS
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2 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 27 146 212209

REFERENCE 2° 131° 344165

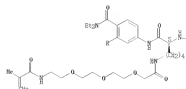
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LN ANCESTR 28 OF 65 REGISTRY CONFIDENT 2006 ACS ON STM
CN 200608-88-1 REGISTRY
CO Entered STM: 12 Mar 2006
   Anthracene, 3,4,9-trimethyl-10-[[2-[(4-ethylamino)carbamoyl]-5-[2-
   methyl-1,3,5,20-trimethyl-11-[[[1,11,17,22-tetrakis(1,1-dimethylthio)-2,6,27,28-
   trimethyl-2-oxoethoxy]pentacarbonyl]9-1,13,17,19,11b,19octaoxa-
   (12S),5,6,7,28D],11,13,17,19,17,19,19,21,22,23-decane-25-
   thioyl]acetyl]amino]-2,3,6,16-tetra,7,19-dichloro-21-ethyl-
   vilsilanthonyl]-, chloride, (3S)-(3C) (CA INDEX NAME)
PC SEARCHED
SC CHL 1166 67 019 - CI
SR CA
LN STM Files: CA, CAPUS, HSPATVAL
CN 200704-88-0

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Absolute stereochemistry

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L4 ANSWER 28 OF 152 REGISTRY COPYRIGHT 2008 ACS on STM (Continued)

PAGE 1-B.

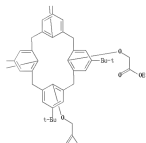


PAGE 2-A

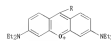


L4 ANSWER 28 OF 182 REGISTRY COPYRIGHT 2008 ACS on STM (Continued)

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PAGE 3-2



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLES (1907 TO DATE)

REF ID: A61212 1-128-15-0002

LA ANKER 29 OF 152 REBISTRY CONFIRMIT 2006 ACS on STN

BN 200403-01-Q REBISTRY

SD Entered STN 12 Mar 1999

CM Ketohylin, 3,6-bis(4-diethylamino)-9-[2-[(diethylamino)carbonyl]-4-[[[11-methyl-1,8,10-trioxo-2-[[1,11,17,20-tetraethyl-1-dimethyltetrahydropyran-2-yl]oxy]ethoxy-2-oxoethyl]pentacetyl]19,3,1,15,7,10,12,11b,19]octaosa-

1,20,4,6,8,12,16,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63,65,67,69,71,73,75,77,79,81,83,85,87,89,91,93,95,97,99,101,103,105,107,109,111,113,115,117,119,121,123,125,127,129,131,133,135,137,139,141,143,145,147,149,151,153,155,157,159,161,163,165,167,169,171,173,175,177,179,181,183,185,187,189,191,193,195,197,199,201,203,205,207,209,211,213,215,217,219,221,223,225,227,229,231,233,235,237,239,241,243,245,247,249,251,253,255,257,259,261,263,265,267,269,271,273,275,277,279,281,283,285,287,289,291,293,295,297,299,301,303,305,307,309,311,313,315,317,319,321,323,325,327,329,331,333,335,337,339,341,343,345,347,349,351,353,355,357,359,361,363,365,367,369,371,373,375,377,379,381,383,385,387,389,391,393,395,397,399,401,403,405,407,409,411,413,415,417,419,421,423,425,427,429,431,433,435,437,439,441,443,445,447,449,451,453,455,457,459,461,463,465,467,469,471,473,475,477,479,481,483,485,487,489,491,493,495,497,499,501,503,505,507,509,511,513,515,517,519,521,523,525,527,529,531,533,535,537,539,541,543,545,547,549,551,553,555,557,559,561,563,565,567,569,571,573,575,577,579,581,583,585,587,589,591,593,595,597,599,601,603,605,607,609,611,613,615,617,619,621,623,625,627,629,631,633,635,637,639,641,643,645,647,649,651,653,655,657,659,661,663,665,667,669,671,673,675,677,679,681,683,685,687,689,691,693,695,697,699,701,703,705,707,709,711,713,715,717,719,721,723,725,727,729,731,733,735,737,739,741,743,745,747,749,751,753,755,757,759,761,763,765,767,769,771,773,775,777,779,781,783,785,787,789,791,793,795,797,799,801,803,805,807,809,811,813,815,817,819,821,823,825,827,829,831,833,835,837,839,841,843,845,847,849,851,853,855,857,859,861,863,865,867,869,871,873,875,877,879,881,883,885,887,889,891,893,895,897,899,901,903,905,907,909,911,913,915,917,919,921,923,925,927,929,931,933,935,937,939,941,943,945,947,949,951,953,955,957,959,961,963,965,967,969,971,973,975,977,979,981,983,985,987,989,991,993,995,997,999,1001,1003,1005,1007,1009,1011,1013,1015,1017,1019,1021,1023,1025,1027,1029,1031,1033,1035,1037,1039,1041,1043,1045,1047,1049,1051,1053,1055,1057,1059,1061,1063,1065,1067,1069,1071,1073,1075,1077,1079,1081,1083,1085,1087,1089,1091,1093,1095,1097,1099,1101,1103,1105,1107,1109,1111,1113,1115,1117,1119,1121,1123,1125,1127,1129,1131,1133,1135,1137,1139,1141,1143,1145,1147,1149,1151,1153,1155,1157,1159,1161,1163,1165,1167,1169,1171,1173,1175,1177,1179,1181,1183,1185,1187,1189,1191,1193,1195,1197,1199,1201,1203,1205,1207,1209,1211,1213,1215,1217,1219,1221,1223,1225,1227,1229,1231,1233,1235,1237,1239,1241,1243,1245,1247,1249,1251,1253,1255,1257,1259,1261,1263,1265,1267,1269,1271,1273,1275,1277,1279,1281,1283,1285,1287,1289,1291,1293,1295,1297,1299,1301,1303,1305,1307,1309,1311,1313,1315,1317,1319,1321,1323,1325,1327,1329,1331,1333,1335,1337,1339,1341,1343,1345,1347,1349,1351,1353,1355,1357,1359,1361,1363,1365,1367,1369,1371,1373,1375,1377,1379,1381,1383,1385,1387,1389,1391,1393,1395,1397,1399,1401,1403,1405,1407,1409,1411,1413,1415,1417,1419,1421,1423,1425,1427,1429,1431,1433,1435,1437,1439,1441,1443,1445,1447,1449,1451,1453,1455,1457,1459,1461,1463,1465,1467,1469,1471,1473,1475,1477,1479,1481,1483,1485,1487,1489,1491,1493,1495,1497,1499,1501,1503,1505,1507,1509,1511,1513,1515,1517,1519,1521,1523,1525,1527,1529,1531,1533,1535,1537,1539,1541,1543,1545,1547,1549,1551,1553,1555,1557,1559,1561,1563,1565,1567,1569,1571,1573,1575,1577,1579,1581,1583,1585,1587,1589,1591,1593,1595,1597,1599,1601,1603,1605,1607,1609,1611,1613,1615,1617,1619,1621,1623,1625,1627,1629,1631,1633,1635,1637,1639,1641,1643,1645,1647,1649,1651,1653,1655,1657,1659,1661,1663,1665,1667,1669,1671,1673,1675,1677,1679,1681,1683,1685,1687,1689,1691,1693,1695,1697,1699,1701,1703,1705,1707,1709,1711,1713,1715,1717,1719,1721,1723,1725,1727,1729,1731,1733,1735,1737,1739,1741,1743,1745,1747,1749,1751,1753,1755,1757,1759,1761,1763,1765,1767,1769,1771,1773,1775,1777,1779,1781,1783,1785,1787,1789,1791,1793,1795,1797,1799,1801,1803,1805,1807,1809,1811,1813,1815,1817,1819,1821,1823,1825,1827,1829,1831,1833,1835,1837,1839,1841,1843,1845,1847,1849,1851,1853,1855,1857,1859,1861,1863,1865,1867,1869,1871,1873,1875,1877,1879,1881,1883,1885,1887,1889,1891,1893,1895,1897,1899,1901,1903,1905,1907,1909,1911,1913,1915,1917,1919,1921,1923,1925,1927,1929,1931,1933,1935,1937,1939,1941,1943,1945,1947,1949,1951,1953,1955,1957,1959,1961,1963,1965,1967,1969,1971,1973,1975,1977,1979,1981,1983,1985,1987,1989,1991,1993,1995,1997,1999,2001,2003,2005,2007,2009,2011,2013,2015,2017,2019,2021,2023,2025,2027,2029,2031,2033,2035,2037,2039,2041,2043,2045,2047,2049,2051,2053,2055,2057,2059,2061,2063,2065,2067,2069,2071,2073,2075,2077,2079,2081,2083,2085,2087,2089,2091,2093,2095,2097,2099,2101,2103,2105,2107,2109,2111,2113,2115,2117,2119,2121,2123,2125,2127,2129,2131,2133,2135,2137,2139,2141,2143,2145,2147,2149,2151,2153,2155,2157,2159,2161,2163,2165,2167,2169,2171,2173,2175,2177,2179,2181,2183,2185,2187,2189,2191,2193,2195,2197,2199,2201,2203,2205,2207,2209,2211,2213,2215,2217,2219,2221,2223,222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CM 4
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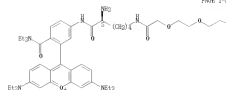
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Absolute stereochemistry.

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PAGE 1-2



CM 2
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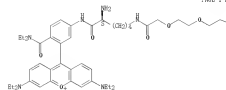
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CN 20060404-97 REBISTRY
CD Entered SIN: 12 Mar 2009
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19 diazadiazol-2-en-1-yl)amino]-2[(diethylamino)carbonyl]phenyl]-3,6-
bis(diethylamino)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Lactulose, 2-[6-((2S)-2-amino-1,8,20-trihydro-10,13,16-tri-2,19-
diazadiazol-2-en-1-yl)amino]-2[(diethylamino)carbonyl]phenyl]-3,6-
bis(diethylamino)-, (3S)-(3CI)
STEREODATA
MF C10 H22 N10 O6
CN COM

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Absolute stereochemistry

PAGE 1-3



PAGE 1-8



LA ANWER 53 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
IN 000000-05-6 REGISTRY
SD Entered STN 12 Mar 1999
CN Anthelmium, 9-[4-[(2-amino-21-methyl-1,8,20-trioxo-10,15,16-trioxo-7,19-diazabicyclo[21-ene-1-yl]amino)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, (2S)-, salt with trifluoroacetic acid (1:1), (CA INDEX NAME)
PS STEREOBOND
MF C30 H52 N10 O8 C2 H F6 O2 C2 F6 O2
SI
CA
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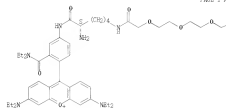
CM 1
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CM 2
CIN 000000-02-5
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CM 5
CIN 000000-01-4
CMF C50 H72 N10 O8

Absolute stereochemistry.

PAGE 1-A

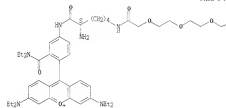


LA ANWER 54 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
IN 000000-05-6 REGISTRY
SD Entered STN 12 Mar 1999
CN Anthelmium, 9-[4-[(2-amino-21-methyl-1,8,20-trioxo-10,15,16-trioxo-7,19-diazabicyclo[21-ene-1-yl]amino)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, 2,4,4'-trifluoroacetate (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CN Anthelmium, 9-[4-[(2-amino-21-methyl-1,8,20-trioxo-10,15,16-trioxo-7,19-diazabicyclo[21-ene-1-yl]amino)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, (2S)-, salt with trifluoroacetic acid (1:1) (2S-)
PS STEREOBOND
MF C50 H72 N10 O8 C2 F6 O2
SI
CA

CM 1
CIN 000000-01-4
CMF C50 H72 N10 O8

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



CM 2
CIN 14417-72-6
CMF C2 F6 O2

LA ANWER 55 09 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-B



CM 4
CIN 14417-72-6
CMF C2 F6 O2



1 REFERENCES IN FILE CA (1909 TO DATE)
1 REFERENCES IN FILE CAPLUS (1909 TO DATE)

REFERENCE 1: 128:15-0009

LA ANWER 54 09 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)

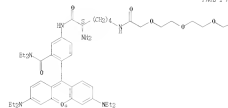


LA NUMBER 36 OF 152 REGISTRY COPYRIGHT 2006 ACS ON STM
 BN 200603-01-4 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 9-[4-[(2S)-2-amino-21-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadoco-21-en-7-yl]amino]-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)- CA INDEX NAME

OTHER CA INDEX NAME:
 CN Karchilium, 9-[4-[(2S)-2-amino-21-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadoco-21-en-7-yl]amino]-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, (2S)-(2R)
 PS STEREOBOND
 MF C55 H99 N7 O10 . Cl
 CA
 IC STM Files: CA, CAPLIS, USFATFILL
 CN (19616-96-0)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



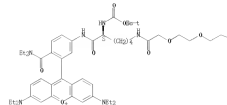
LA NUMBER 36 OF 152 REGISTRY COPYRIGHT 2006 ACS ON STM (Continued)

LA NUMBER 36 OF 152 REGISTRY COPYRIGHT 2006 ACS ON STM
 BN 200603-00-2 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-6-[(2S)-2-[(1,1-dimethylethoxy)carbonyl]amino]-2-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadoco-21-en-7-yl]amino]phenyl]-, chloride (1:1) CA INDEX NAME

OTHER CA INDEX NAME:
 CN Karchilium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-6-[(2S)-2-[(1,1-dimethylethoxy)carbonyl]amino]-2-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadoco-21-en-7-yl]amino]phenyl]-, chloride, (2S)-(2R)
 PS STEREOBOND
 MF C55 H99 N7 O10 . Cl
 CA
 IC STM Files: CA, CAPLIS, USFATFILL
 CN (19616-96-0)

Absolute stereochemistry.

PAGE 1-A



● Cl⁻

PAGE 1-B



1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLIS (1969 TO DATE)

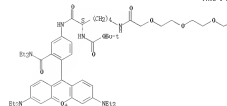
REFERENCES 1: 128:154000

LA NUMBER 37 OF 152 REGISTRY COPYRIGHT 2006 ACS ON STM
 BN 200603-79-0 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-[(2S)-2-[(1,1-dimethylethoxy)carbonyl]amino]-2-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadoco-21-en-7-yl]amino]phenyl]-, chloride (1:1) CA INDEX NAME

OTHER CA INDEX NAME:
 CN Karchilium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-[(2S)-2-[(1,1-dimethylethoxy)carbonyl]amino]-2-methyl-1,8,20-trioxo-10,13,16-trioxo-7,19-diazadoco-21-en-7-yl]amino]phenyl]-, chloride, (2S)-(2R)
 PS STEREOBOND
 MF C55 H99 N7 O10 . Cl
 CA
 IC STM Files: CA, CAPLIS, USFATFILL
 CN (19616-96-0)

Absolute stereochemistry.

PAGE 1-A



● Cl⁻

PAGE 1-B



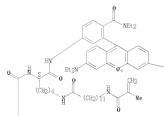
1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLIS (1969 TO DATE)

REFERENCES 1: 128:154000

LA ANWER 38 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 000600-76-9 REGISTRY
 CD Entered STN 12 Mar 1999
 CN Acetylsulfam, 3,6-bis(diethylamino)-9-[2-[[diethylamino]carbonyl]-6-[[16-[[12-[[2-methyl-2-oxo-2-phenylamino]-1-oxododecyl]amino]-2-[[16,7,9,10,15,25,26,36-octaphenyl-20,32-dioxapropyl-28H-4,18-benzothio[1,1-b]benzomethano]-25,27-metheno-22H-dibenzo[6,1,1',4,7,10,13]pentasaccharin-26-yl]carbonylamino]-1-oxohexyl]amino]phenyl]-, (S)-, salt with trifluoroacetic acid (1:1) (XCI) (CA INDEX NAME)
 PS STEREOBOND
 MZ C27 H28 N7 O13 (27 H 02)
 CA
 LC STN File# CA, CAPLUS, USPATFILL
 CM 1
 CRY 000000-77-9
 CRY C27 H28 N7 O13

Absolute stereochemistry.

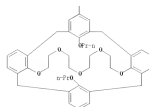
PAGE 1-A



LA ANWER 38 09 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)
 PAGE 1-B

~NH2

PAGE 2-A



CM 2
 CRY 14477-72-6
 CRY C27 H28 N7 O13



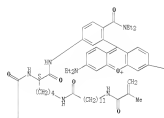
1. REFERENCES IN FILE CA (1907 TO DATE)
 1. REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 128:154009

LA ANWER 39 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 000600-77-8 REGISTRY
 CD Entered STN 12 Mar 1999
 CN Acetylsulfam, 3,6-bis(diethylamino)-9-[2-[[diethylamino]carbonyl]-6-[[16-[[12-[[2-methyl-2-oxo-2-phenylamino]-1-oxododecyl]amino]-2-[[16,7,9,10,15,25,26,36-octaphenyl-20,32-dioxapropyl-28H-4,18-benzothio[1,1-b]benzomethano]-25,27-metheno-22H-dibenzo[6,1,1',4,7,10,13]pentasaccharin-26-yl]carbonylamino]-1-oxohexyl]amino]phenyl]-, (S)- (XCI) (CA INDEX NAME)
 PS STEREOBOND
 MZ C27 H28 N7 O13
 CA
 LC

Absolute stereochemistry.

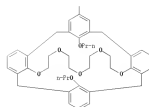
PAGE 1-A



PAGE 1-B

LA ANWER 39 09 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)

PAGE 2-A

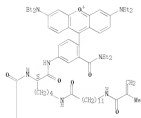


~NH2

LA NUMBER 40 00 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200600-76-2 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-[[6-[[12-[[2-methyl-1-oxo-2-propanoyl]amino]-1-oxododecyl]amino]-2-[[16,7,9,10,15,25,26-octaphenyl-20,22-dipropoxy-28H-4,18-benzok[1,11]benzocyclopent-25,27-metheno-22H-dienyl]n-11,14,7,10,13]pentadecyltetraacetate-25-yl]carbonylamino]-1-oxododecyl]amino]phenyl-, (S)-, salt with trifluoroacetic acid (1:1) (OC1) (CA INDEX NAME)
 PS STEREOBOND
 MF CIP R128 N7 013 C2 PG 02
 CR CA
 LC STM Files: CA, CAPLUS, USPATFULL
 CN 1
 ORN 200600-76-6
 ORF CIP R128 N7 013

Absolute stereochemistry.

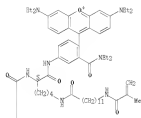
PAGE 1-A



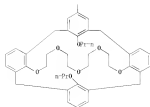
LA NUMBER 40 00 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200600-76-6 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-[[6-[[12-[[2-methyl-1-oxo-2-propanoyl]amino]-1-oxododecyl]amino]-2-[[16,7,9,10,15,25,26-octaphenyl-20,22-dipropoxy-28H-4,18-benzok[1,11]benzocyclopent-25,27-metheno-22H-dienyl]n-11,14,7,10,13]pentadecyltetraacetate-25-yl]carbonylamino]-1-oxododecyl]amino]phenyl-, (S)- (OC1) (CA INDEX NAME)
 PS STEREOBOND
 MF CIP R128 N7 013
 CR CA
 LC STM Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

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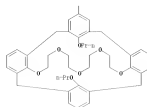


PAGE 2-A



LA NUMBER 40 00 152 REGISTRY COPYRIGHT 2006 ACS on STM (Continued)
 BN 200600-76-2 REGISTRY
 SD Entered STM 12 Mar 1999

PAGE 2-A



OR 2
 ORN 16477-22-6
 ORF C2 PG 02

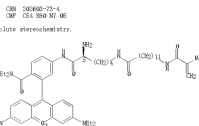


1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 126:164000

LA NUMBER 40 00 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200600-76-6 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Xanthylum, 9-[2-[(2S)-2-amino-6-[[12-[[2-methyl-1-oxo-2-propanoyl]amino]-1-oxododecyl]amino]-1-oxododecyl]amino]-2-[[diethylamino]carbonyl]phenyl]-2,4,6-tris(diethylamino)-3,2,2-trifluoroacetate (1:1) (CA INDEX NAME)
 PS STEREOBOND
 MF CIP R128 N7 05 C2 PG 02
 CR CA
 LC STM Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



OR 2
 ORN 16477-22-6
 ORF C2 PG 02

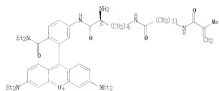


1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 126:164000

LA NUMBER 44 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200602-70-4 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 9-[4-[(1S)-2-amino-6-[[12-[(2-methyl-1-oxo-2-propenyl)-
 yl]amino]-1-oxododecyl]amino]-5-naphenyl]amino]-2-
 [(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CN Karchilium, 9-[4-[(2-amino-6-[[12-[(2-methyl-1-oxo-2-propenyl)amino]-1-
 oxododecyl]amino]-5-naphenyl]amino]-2-[(diethylamino)carbonyl]phenyl]-3,6-
 bis(diethylamino)-, (S)- (QCL)
 PS STEREOBOND
 MF C54 189 N7 05 Q2 PQ 42
 CL OM
 SR CA

Absolute stereochemistry.



LA NUMBER 44 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200602-72-2 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 9-[4-[(1S)-2-amino-6-[[12-[(2-methyl-1-oxo-2-propenyl)-
 yl]amino]-1-oxododecyl]amino]-5-naphenyl]amino]-2-
 [(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-
 3,5,2-trifluorobenzoic acid (S) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CN Karchilium, 9-[4-[(2-amino-6-[[12-[(2-methyl-1-oxo-2-propenyl)amino]-1-
 oxododecyl]amino]-5-naphenyl]amino]-2-[(diethylamino)carbonyl]phenyl]-3,6-
 bis(diethylamino)-, (S)-, salt with trifluoroacetic acid (S) (QCL)
 PS STEREOBOND
 MF C54 189 N7 05 Q2 PQ 42
 CL OM
 SR CA

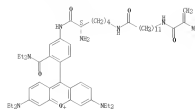
STM Files: CA, CAPLIS, HEPATFILL

OM 1

CN 200602-71-2

OM C54 189 N7 05

Absolute stereochemistry.



OM 2

CN 14477-72-6

OM C2 PQ 42

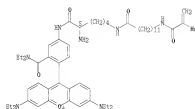


1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLIS (1967 TO DATE)

REFERENCES 1: 128-154009

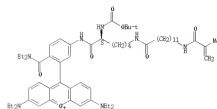
LA NUMBER 46 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200602-71-2 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 9-[4-[(1S)-2-amino-6-[[12-[(2-methyl-1-oxo-2-propenyl)-
 yl]amino]-1-oxododecyl]amino]-5-naphenyl]amino]-2-
 [(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)- (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CN Karchilium, 9-[4-[(2-amino-6-[[12-[(2-methyl-1-oxo-2-propenyl)amino]-1-
 oxododecyl]amino]-5-naphenyl]amino]-2-[(diethylamino)carbonyl]phenyl]-3,6-
 bis(diethylamino)-, (S)- (QCL)
 PS STEREOBOND
 MF C54 189 N7 05 Q2 PQ 42
 CL OM
 SR CA

Absolute stereochemistry



LA NUMBER 46 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 200602-70-3 REGISTRY
 SD Entered STM 12 Mar 1999
 CN Karchilium, 9-[4-bis(diethylamino)-2-[[2-[(diethylamino)carbonyl]-6-[[1S)-2-
 [(1,1,1-trifluoroethoxy)amino]amino]-6-[[12-[(2-methyl-1-oxo-2-propenyl)-
 yl]amino]-1-oxododecyl]amino]-5-naphenyl]amino]phenyl]-, chloride (S) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CN Karchilium, 3,6-bis(diethylamino)-2-[[2-[(diethylamino)carbonyl]-6-[[1S)-2-
 [(1,1,1-trifluoroethoxy)amino]amino]-6-[[12-[(2-methyl-1-oxo-2-propenyl)-
 yl]amino]-1-oxododecyl]amino]-5-naphenyl]amino]phenyl]-, chloride,
 (S)- (QCL)
 PS STEREOBOND
 MF C54 189 N7 07, C1
 SR CA
 LC STM Files: CA, CAPLIS, HEPATFILL
 CN 175547-54-0

Absolute stereochemistry.

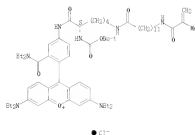


● Cl⁻

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLIS (1967 TO DATE)

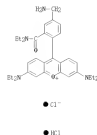
REFERENCES 1: 128-154009

LA ANWER 47 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200600-49-0 REGISTRY
SD Entered STN 12 Mar 1996
CN Karthylum, 3,6-bis(diethylamino)-2- $\{2-[(diethylamino)carbonyl]-4-[(2S)-2-[[1,1-bis(4-chlorophenyl)amino]-6-[[1,2-methyl-1-oxo-2-oxonon-1-yl]amino]-1-oxododecyl]amino]-5-oxohexyl]amino]phenyl\}$ -, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CN Karthylum, 3,6-bis(diethylamino)-2- $\{2-[(diethylamino)carbonyl]-4-[[1,1-bis(4-methylphenyl)amino]amino]-6-[[1,2-methyl-1-oxo-2-oxonon-1-yl]amino]-1-oxododecyl]amino]-5-oxohexyl]amino]phenyl\}$ -, chloride, (2:1) (CA INDEX NAME)
FI 1 (REFERENCE)
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CA CA
LC STN Files: CA, CAPLIS, USPFULL
CIN 687600-44-0
Absolute stereochemistry.



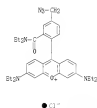
1 REFERENCES IN FILE CA (1960 TO DATE)
1 REFERENCES IN FILE CAPLIS (1960 TO DATE)
REFERENCE 1: 128-16400

LA ANWER 48 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200600-44-2 REGISTRY
SD Entered STN 12 Mar 1996
CN Karthylum, 9-[4-(aminomethyl)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride, hydrochloride (1:1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CN Karthylum, 9-[4-(aminomethyl)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride, monohydrochloride (DCI)
MF CSD H63 M1 00 - Cl H Cl
CA CA
LC STN Files: CA, CAPLIS, USPFULL
CIN 172321-69-0



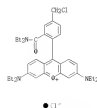
2 REFERENCES IN FILE CA (1960 TO DATE)
2 REFERENCES IN FILE CAPLIS (1960 TO DATE)
REFERENCE 1: 146-23209
REFERENCE 2: 128-16400

LA ANWER 49 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200600-40-2 REGISTRY
SD Entered STN 12 Mar 1996
CN Karthylum, 9-[4-(diisopropyl)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CN Karthylum, 9-[4-(aminomethyl)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride (DCI)
MF CSD H41 N6 00 - Cl
CA CA
LC STN Files: CA, CAPLIS, USPFULL
CIN 178431-86-0



1 REFERENCES IN FILE CA (1960 TO DATE)
1 REFERENCES IN FILE CAPLIS (1960 TO DATE)
REFERENCE 1: 128-16400

LA ANWER 50 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200600-40-0 REGISTRY
SD Entered STN 12 Mar 1996
CN Karthylum, 9-[4-(chloromethyl)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CN Karthylum, 9-[4-(chloromethyl)-2-[(diethylamino)carbonyl]phenyl]-5,6-bis(diethylamino)-, chloride (DCI)
MF CSD H41 Cl N0 00 - Cl
CA CA
LC STN Files: CA, CAPLIS, USPFULL
CIN 178431-86-0



1 REFERENCES IN FILE CA (1960 TO DATE)
1 REFERENCES IN FILE CAPLIS (1960 TO DATE)
REFERENCE 1: 128-16400

LA ANKER 51 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200602-19-6 REGISTRY
SD Entered STN 12 Mar 1999
CN Karchilium, 3,6-bis(4-diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CA Karchilium, 3,6-bis(4-diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (DCI)
MF C12 H41 N5 O2 Cl
PS CA
STN Files: CA, CAPLUS, USPATFULL
LX
CIN (122821-150-2)



• Cl⁻

2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146-232000

REFERENCE 2: 128-154000

LA ANKER 52 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200602-18-2 REGISTRY
SD Entered STN 12 Mar 1999
CN Karchilium, 3,6-bis(4-diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CA Karchilium, 3,6-bis(4-diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(ethoxycarbonyl)phenyl]-, chloride (DCI)
MF C20 H43 N5 O2 Cl
PS CA
STN Files: CA, CAPLUS, USPATFULL
LX
CIN (106921-69-2)



• Cl⁻

2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146-232000

REFERENCE 2: 128-154000

LA ANKER 53 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200602-18-0 REGISTRY
SD Entered STN 12 Mar 1999
CN Karchilium, 9-[4-amino-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CA Karchilium, 9-[4-amino-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (DCI)
MF C20 H41 N5 O2 Cl
PS CA
STN Files: CA, CAPLUS, USPATFULL
LX
CIN (106921-12-1)



• Cl⁻

2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146-232000

REFERENCE 2: 128-154000

LA ANKER 54 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
BN 200602-13-8 REGISTRY
SD Entered STN 12 Mar 1999
CN Karchilium, 9-[4-amino-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (1:1) (CA INDEX NAME)
OTHER CA INDEX NAME:
CA Karchilium, 9-[4-amino-2-[(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (DCI)
MF C20 H41 N5 O2 Cl
PS CA
STN Files: CA, CAPLUS, USPATFULL
LX
CIN (106921-13-7)



• Cl⁻

2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146-232000

REFERENCE 2: 128-154000

LA ANWER 15 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 200405-10-2 REGISTRY
 SD Entered STN 12 Mar 1999
 CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CA Kertium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (KCI)
 MW C22 H29 N4 O4 Cl
 SM CA
 LC STN Files: CA, CAPLUS, USPAPULL
 CKN (249521-06-1)



2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 146:212500

REFERENCE 2: 128:164000

LA ANWER 16 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 200405-10-4 REGISTRY
 SD Entered STN 12 Mar 1999
 CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CA Kertium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-nitrophenyl]-, chloride (KCI)
 MW C22 H29 N4 O4 Cl
 SM CA
 LC STN Files: CA, CAPLUS, USPAPULL
 CKN (249521-06-7)



2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

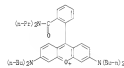
REFERENCE 1: 146:212500

REFERENCE 2: 128:164000

LA ANWER 17 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199744-96-0 REGISTRY
 SD Entered STN 14 Jan 1998
 CN Kertium, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]-4-(or 5-nitrophenyl)-, bis[2-[(2-hydroxy-40-5-nitrophenyl)azo-40-5-nitrophenyl]-, bis[2-[(2-hydroxy-40-5-nitrophenyl)azo-40-5-nitrophenyl]ammonium]cobaltate(1-)] (KCI)
 CA INDEX NAME:
 OTHER CA INDEX NAME:
 CA Cobaltate(1-), bis[2-[(2-hydroxy-40-5-nitrophenyl)azo-40-5-nitrophenyl]-, bis[2-[(2-hydroxy-40-5-nitrophenyl)azo-40-5-nitrophenyl]ammonium]cobaltate(1-)] (KCI)
 MW C42 H39 N4 O4
 SM CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 199744-96-0
 CFX C42 H39 N4 O4
 CCI 128

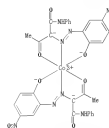


DI-NO2

CM 2

CRN 21745-75-6
 CFX C42 H39 N4 O4
 CCI 128

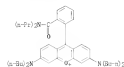
LA ANWER 17 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 128:16449

LA ANKER 58 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
IN 199744-04-0 REGISTRY
SD Entered STM: 14 Jan 1999
CN Anthelm, 3,6-bis(diphenylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or
5-methoxyphenyl)-5-oxo-4H-pyridin-2-yl]toluolate(-), compd
MF C₃₂ H₃₅ N₄ O₄
CC IDS CCS
CS CA
LC STM Files: CA, CAPLUS



DI-NO₂

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 146 212200

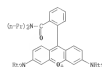
LA ANKER 59 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
IN 199744-06-0 REGISTRY
SD Entered STM: 14 Jan 1999
CN Anthelm, 3,6-bis(diphenylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or
5-methoxyphenyl)-5-oxo-4H-pyridin-2-yl]toluolate(-), compd
MF C₃₂ H₃₅ N₄ O₄
CC IDS CCS
CS CA
LC STM Files: CA, CAPLUS

DI-NO₂

CI-Na

DI-NO₂

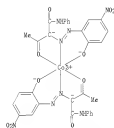
DI-NO₂



DI-NO₂

CI-6

LA ANKER 60 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM (Continued)
IN 199744-05-9 REGISTRY
SD Entered STM: 14 Jan 1999
CN Anthelm, 3,6-bis(diphenylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or
5-methoxyphenyl)-5-oxo-4H-pyridin-2-yl]toluolate(-), compd
MF C₃₂ H₃₅ N₄ O₄
CC IDS CCS



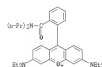
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1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 128 42649

LA ANKER 60 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
IN 199744-05-9 REGISTRY
SD Entered STM: 14 Jan 1999
CN Anthelm, 3,6-bis(diphenylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or
5-methoxyphenyl)-5-oxo-4H-pyridin-2-yl]toluolate(-), compd
MF C₃₂ H₃₅ N₄ O₄
CC IDS CCS

DI-NO₂

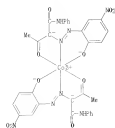
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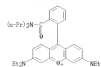
DI-NO₂

DI-NO₂

LA ANKER 40 0P 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)



LA ANKER 41 0P 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199744-84-8 REGISTRY
 ED Entered STN 14 Jan 1999
 CN Acetylalium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or 8'-nitrophenyl)]-, (CA INDEX NAME)
 MF C34 H43 N11 O4
 CI 156
 SA CA
 SC CA
 LC STN Files: CA, CAPLUS

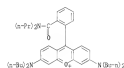
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2 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 146:212209

LA ANKER 42 0P 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199612-40-2 REGISTRY
 ED Entered STN 13 Jan 1998
 CN Acetylalium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or 8'-nitrophenyl)]-, chloride (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:
 CN Acetylalium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or 8'-nitrophenyl)]-, chloride (0:1)
 MF C42 H59 N14 O4 · Cl
 CI 156
 SA CA
 SC CA
 LC STN Files: CA, CAPLUS
 CKN 199744-94-0

DL-NO₂● Cl⁻

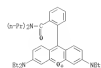
2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 146:212209

REFERENCE 2: 128:41649

LA ANKER 43 0P 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199612-42-4 REGISTRY
 ED Entered STN 13 Jan 1998
 CN Acetylalium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or 8'-nitrophenyl)]-, chloride (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:
 CN Acetylalium, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]-4-(or 8'-nitrophenyl)]-, chloride (0:1)
 MF C34 H43 N14 O4 · Cl
 CI 156
 SA CA
 SC CA
 LC STN Files: CA, CAPLUS
 CKN 199744-94-0

DL-NO₂● Cl⁻

2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 146:212209

REFERENCE 2: 128:41649

LA NUMBER 64 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
IN 190606-51-9 REGISTRY

SD Entered STM 09 Jan 1999

CV Xanthylum, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, bis[2-[[2-(4-methoxy-6-nitrophenyl)azo-4H]-5-(oxo-4H)-P-phenyl]azaniumato(2-)]-, CA INDEX NAME

OTHER CA INDEX NAME:

CM Cobaltate(1-), bis[2-[[2-(4-hydroxy-4H)-6-nitrophenyl]azo-4H]-5-(oxo-4H)-P-phenyl]azaniumato(2-)]-, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]xanthylum (CCI)

CC 360 NO 02 CCI 324 Co NO 010

MF

CA

LC STM Files: CA, CAPLUS

CM 1

CIN 190606-51-9

CCP C36 360 NO 02

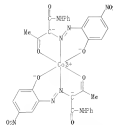


CM 2

CIN 51745-75-6

CCP C32 324 Co NO 010

CCI CCS



1 REFERENCES IN FILE CA (1960 TO DATE)

1 REFERENCES IN FILE CAPLUS (1960 TO DATE)

LA NUMBER 64 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
IN 190606-51-9 REGISTRY

SD Entered STM 09 Jan 1999

CV Xanthylum, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, bis[2-[[2-(4-methoxy-6-nitrophenyl)azo-4H]-5-(oxo-4H)-P-phenyl]azaniumato(2-)]-, CA INDEX NAME

CC 360 NO 02

CM

CA

LC STM Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1960 TO DATE)

1 REFERENCES IN FILE CAPLUS (1960 TO DATE)

REFERENCE 1: 146 212209

LA NUMBER 64 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM (Continued)
REFERENCE 1: 128 41649

LA NUMBER 64 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
IN 190606-51-9 REGISTRY

SD Entered STM 09 Jan 1999

CV Xanthylum, 9-[2-[[4-(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, bis[2-[[2-(4-methoxy-6-nitrophenyl)azo-4H]-5-(oxo-4H)-P-phenyl]azaniumato(2-)]-, CA INDEX NAME

OTHER CA INDEX NAME:

CM Cobaltate(1-), bis[2-[[2-(4-hydroxy-4H)-6-nitrophenyl]azo-4H]-5-(oxo-4H)-P-phenyl]azaniumato(2-)]-, 9-[2-[[4-(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)xanthylum (CCI)

CC 360 NO 02 CCI 324 Co NO 010

MF

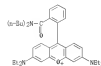
CA

LC STM Files: CA, CAPLUS

CM 1

CIN 190606-51-9

CCP C36 360 NO 02

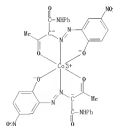


CM 2

CIN 51745-75-6

CCP C32 324 Co NO 010

CCI CCS



1 REFERENCES IN FILE CA (1960 TO DATE)

1 REFERENCES IN FILE CAPLUS (1960 TO DATE)

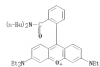
REFERENCE 1: 128 41649

L4 ANSWER 46 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)

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LA  NUMBER 47 00 122 REGISTRY COPYRIGHT 2000 ACS on STM
IN  199906-20-9 REGISTRY
IN  Entered STM: 09 Jan 1999
CN  Xanthylum, 9-[2-[(diethylamino)carbonyl]phenyl]-N,6-bis(diethylamino)-
   (CA INDEX NAME)
MF  CHE H88 N0 02
CI  C8H
CR  CA
LC  STM Files: CA, CAPLIS

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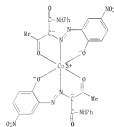
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
REFERENCE 1: 146121209

L4 ANSWER 68 OF 182 REGISTRY COPYRIGHT 2006 ACS on STN

L4 ANSWER 68 OF 182 REBISTRY COPYRIGHT 2008 ACS on STM (Continued)

[illegible]

CM 2
CBV 51745-76-6
CMF CS2 H24 Co NB 010
CCI CCS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPUS (1907 TO DATE)

REFERENCE 1: 128 41649

LA ANWER 69 OF 152 REBISTRY COPYRIGHT 2006 ACS on STN
 BN 190606-28-2 REB12787
 SD Entered STN: 09 Jan 1999
 CN Karbonylum, 3,6-bis(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-
 CA INDEX NAME
 MF C22 H40 N4 O2
 CI OM
 SR CA
 LC STN Files: CA, CAPLUS



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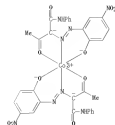
2 REFERENCES IN FILE CA (1967 TO DATE)
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 REFERENCE 1: 146 212200
 REFERENCE 2: 145 165821

LA ANWER 70 OF 152 REBISTRY COPYRIGHT 2006 ACS on STN
 BN 190606-27-4 REB12787
 SD Entered STN: 09 Jan 1999
 CN Karbonylum, 3,6-bis(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-,
 bis[2-[[2-hydroxy-4-(6-nitrophenylazo)-6-oxo-4H-
 1,2,4-triazol-5-ylidene]methyl]phenyl]cobaltate(1-)
 CA INDEX NAME
 CN Cobaltate(1-), bis[2-[[2-hydroxy-4-(6-nitrophenylazo)-6-oxo-4H-
 1,2,4-triazol-5-ylidene]methyl]phenyl]cobaltate(1-)
 MF C22 H24 Co N8 O10
 SR CA
 LC STN Files: CA, CAPLUS

OM 1
 CEN 190606-26-5
 CIP C20 E26 NO 02



OM 2
 CEN 51345-75-6
 CIP C22 E24 Co N8 O10
 CCI C25



LA ANWER 70 OF 152 REBISTRY COPYRIGHT 2006 ACS on STN (Continued)
 1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 REFERENCE 1: 128 41649

LA ANWER 71 OF 152 REBISTRY COPYRIGHT 2006 ACS on STN
 BN 190606-26-5 REB12787
 SD Entered STN: 09 Jan 1999
 CN Karbonylum, 3,6-bis(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-
 CA INDEX NAME
 MF C22 H40 N4 O2
 CI OM
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 REFERENCE 1: 146 212200

LA ANCHOR TO: 0F 153 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199606-15-2 REGISTRY
 SD Entered STN: 09 Jan 1996
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-(1-piperidinylcarbonyl)phenyl]-, chloride (9C1)
 MF C20 H40 N2 O2 Cl
 SR CA
 LC STN Files: CA, CAPLIS
 CKN 199606-15-1



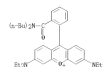
● Cl⁻

2 REFERENCES IN FILE CA (1960 TO DATE)
 2 REFERENCES IN FILE CAPLIS (1960 TO DATE)

REFERENCE 1: 146-212200

REFERENCE 2: 128-41649

LA ANCHOR TO: 0F 153 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199606-11-6 REGISTRY
 SD Entered STN: 09 Jan 1996
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 OTHER CA INDEX NAMES:
 CN Xanthylum, 9-[2-(diethylamino)carbonyl]phenyl]-3,6-bis(diethylamino)-, chloride (9C1)
 MF C20 H40 N2 O2 Cl
 SR CA
 LC STN Files: CA, CAPLIS
 CKN 199606-10-9



● Cl⁻

2 REFERENCES IN FILE CA (1960 TO DATE)
 2 REFERENCES IN FILE CAPLIS (1960 TO DATE)

REFERENCE 1: 146-212200

REFERENCE 2: 128-41649

LA ANCHOR TO: 0F 153 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199606-10-6 REGISTRY
 SD Entered STN: 09 Jan 1996
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
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 SR CA
 LC STN Files: CA, CAPLIS
 CKN 199606-10-1



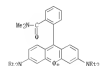
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2 REFERENCES IN FILE CA (1960 TO DATE)
 2 REFERENCES IN FILE CAPLIS (1960 TO DATE)

REFERENCE 1: 146-212200

REFERENCE 2: 128-41649

LA ANCHOR TO: 0F 153 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 199606-09-2 REGISTRY
 SD Entered STN: 09 Jan 1996
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 OTHER CA INDEX NAMES:
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-, chloride (9C1)
 MF C20 H40 N2 O2 Cl
 SR CA
 LC STN Files: CA, CAPLIS
 CKN 199606-08-0



● Cl⁻

2 REFERENCES IN FILE CA (1960 TO DATE)
 2 REFERENCES IN FILE CAPLIS (1960 TO DATE)

REFERENCE 1: 146-212200

REFERENCE 2: 128-41649

LA ANKER 16 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

IN 199605-46-2 REGISTRY

SD Entered STN 02 Jan 1999

CA Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carboxyl]phenyl]-, bis[2-(4-chloro-4'-[2-(diethylamino)-6-methoxyphenyl]azo-4H)-5-methyl-2-phenyl-3H-pyrazol-3-ynato(2-)-4H)]chromate(1-)

(XCI) CA INDEX NAME

CA Chromate(1-), bis[2-(4-chloro-4'-[2-(diethylamino)-6-methoxyphenyl]azo-4H)-5-methyl-2-phenyl-3H-pyrazol-3-ynato(2-)-4H)]-, bis[2-(4-chloro-4'-[2-(diisopropylamino)carboxyl]phenyl]xanthylum

(XCI) CA

MF C34 344 NS 02 C35 352 Cr NS 06

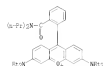
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LC STN Files: CA, CAPLUS

CM 1

CN 199605-46-2

CP C34 344 NS 02



CM 2

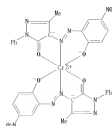
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CP C32 352 Cr NS 06

CC C33

LA ANKER 16 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

(Continued)



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 128-41649

LA ANKER 17 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

IN 199605-90-9 REGISTRY

SD Entered STN 02 Jan 1999

CA Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carboxyl]phenyl]-, bis[2-(4,6-dihydro-3-methyl-5-(oxo-4H)-1-phenyl-3H-pyrazol-4-yl)azo-4H)-5-methyl-2-phenyl-3H-pyrazol-3-ynato(2-)-4H)]chromate(1-)

(XCI) CA INDEX NAME

CA Chromate(1-), bis[2-(4,6-dihydro-3-methyl-5-(oxo-4H)-1-phenyl-3H-pyrazol-4-yl)azo-4H)-5-methyl-2-phenyl-3H-pyrazol-3-ynato(2-)-4H)]-, bis[2-(4,6-dihydro-3-methyl-5-(oxo-4H)-1-phenyl-3H-pyrazol-4-yl)azo-4H)-5-methyl-2-phenyl-3H-pyrazol-3-ynato(2-)-4H)]xanthylum

(XCI) CA

MF C34 344 NS 02 C34 354 Cr NS 06

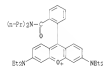
SR CA

LC STN Files: CA, CAPLUS

CM 1

CN 199605-46-2

CP C34 344 NS 02

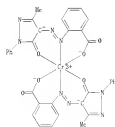


CM 2

CN 60085-90-9

CP C34 354 Cr NS 06

CC C33



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

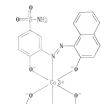
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LA ANKER 17 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

(Continued)

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PAGE 3-A



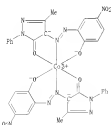
PAGE 2-A



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L4 ANKOR 79 OF 82 REDISTITY COPYRIGHT 2006 ACS on STN
L5 1996W-87-C
CN Entered Date: Jan 2006
CN Nomenclature: 3,6-bis(diethylamino)-[2-{(diopropylamino)carboxyl}phenyl]-
CN bis(2-hydroxy-4-methyl-5-nitrophenyl)-[4-(4-methyl-5-nitrophenyl)-2H-pyrazole-3-one](2-)-(OC1) OC1
CN INDEX NAME:
OTHER INDEX NAME:
CN Cotalate-1-, bis(2,4-dihydro-4-[2-(hydroxy-4-methyl-5-nitrophenyl)azo-
CN m-2-hydroxy-4-methyl-5-nitrophenyl]vinyl)-2H-pyrazole-3-one](2-)-(OC1)
CN 3,6-bis(diethylamino)-[2-{(diopropylamino)carboxyl}phenyl]naphthalen-
CN 1-yl
MP CAS 1844 00 - CSO REG CO NLB 00
SR File Files: CA CAPTUS
CH
CH 1
CHS 1996W-06-01
DEF 1844 00
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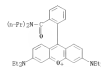


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CM      2
CRN      51274-15-6
CMP      CS2 R22 Co N10 06
OCI      CCS
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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

LA ANSWER 78 OF 132 REGISTRY COPYRIGHT 2006 ACS on STM (Continued)



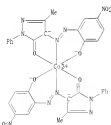
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REFERENCE 1: 12841649

L4 ANSWER 79 OF 182 REGISTRY COPYRIGHT 2008 ACS on STM (Continued)



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CM      2
CRN      51274-15-6
CMP      CS2 R22 Co N10 06
OCI      CCS
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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

LA NUMBER 81 OF 152 REBISTRY COPYRIGHT 2006 ACS ON STM

IN 190606-46-2 REBISTRY

SD Entered STM 09 Jan 1999

CV Kautzium, 3,6-bis(dithylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2-(2-chlorophenyl)-2,4-dihydro-4-[2-(pyridonyl-4-oxo-5-oxo-1H-pyrazol-5-yl)-5-methyl-2H-pyrazol-3-onato(2-)-6O]pholate(1-)] (Cl) (CA INDEX NAME)

OTHER CA INDEX NAME:

CV Cobaltate(2-), bis[2-(4,5-dihydro-3-methyl-5-oxo-4-[(2-methylsulfonyl)phenyl]amino-1H-pyrazol-3-onato(2-)-6O)-3,6-bis(dithylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]xanthyllim (Cl) (CA INDEX NAME)

CV 190606-46-2

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CV 190606-46-2

CV 190606-46-2

CV 190606-46-2

CV 190606-46-2

CV 190606-46-2

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CV 190606-46-2

CV 190606-46-2

CV 190606-46-2

LA NUMBER 81 OF 152 REBISTRY COPYRIGHT 2006 ACS ON STM (Continued)

IN 190606-46-2 REBISTRY

SD Entered STM 09 Jan 1999

CV Kautzium, 3,6-bis(dithylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2-(2-chlorophenyl)-2,4-dihydro-4-[2-(pyridonyl-4-oxo-5-oxo-1H-pyrazol-5-yl)-5-methyl-2H-pyrazol-3-onato(2-)-6O]pholate(1-)] (Cl) (CA INDEX NAME)

OTHER CA INDEX NAME:

CV Cobaltate(2-), bis[2-(4,5-dihydro-3-methyl-5-oxo-4-[(2-methylsulfonyl)phenyl]amino-1H-pyrazol-3-onato(2-)-6O)-3,6-bis(dithylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]xanthyllim (Cl) (CA INDEX NAME)

CV 190606-46-2

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CV 190606-46-2

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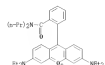
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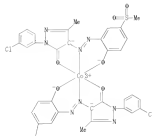


1 REFERENCES IN FILE CA (1900 TO DATE)

1 REFERENCES IN FILE CA (1900 TO DATE)

REFERENCE 1: 128-41649

PAGE 1-A



PAGE 2-A



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CV 190606-46-2

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CV 190606-46-2

CV 190606-46-2

CV 190606-46-2

CV 190606-46-2

LA NUMBER 85 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

IN 100605-76-0 REGISTRY

SD Entered STN: 02 Jan 1999

CM Anthracene, 3,6-bis(4-ethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, 12-[4-[(2,4,6-trimethylphenyl)-2-(hydroxy-4,5-methoxyphenyl)amino]-4,5-dihydro-2-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl]-1,2,4,5-tetraol-4'[(2-(hydroxy-4,5-methyl-5-nitrophenyl)amino)-5-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl]benzene (1:1) (KCI) (CA INDEX NAME)

OTHER CA INDEX NAME:

CM Chromate (1-), bis[4,4'-dihydro-4'-(2-(hydroxy-4,5-methoxyphenyl)-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl)-2-(4,5-dihydro-2-(2-(hydroxy-4,5-methyl-5-nitrophenyl)amino)-5-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl)phenyl]anthracene-9,10-diol (KCI) (CA INDEX NAME)

CM 126 Cx N12 002 SD C34 H44 N8 O6

MF CA

LC STN Files: CA, CAPLIS

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LA NUMBER 85 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

(Continued)

IN 100605-76-0 REGISTRY

SD Entered STN: 02 Jan 1999

CM Anthracene, 3,6-bis(4-ethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, 12-[4-[(2,4,6-trimethylphenyl)-2-(hydroxy-4,5-methoxyphenyl)amino]-4,5-dihydro-2-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl]-1,2,4,5-tetraol-4'[(2-(hydroxy-4,5-methyl-5-nitrophenyl)amino)-5-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl]benzene (1:1) (KCI) (CA INDEX NAME)

OTHER CA INDEX NAME:

CM Chromate (1-), bis[4,4'-dihydro-4'-(2-(hydroxy-4,5-methoxyphenyl)-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl)-2-(4,5-dihydro-2-(2-(hydroxy-4,5-methyl-5-nitrophenyl)amino)-5-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl)phenyl]anthracene-9,10-diol (KCI) (CA INDEX NAME)

CM 126 Cx N12 002 SD C34 H44 N8 O6

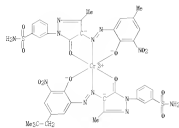
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LC STN Files: CA, CAPLIS

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LA NUMBER 85 OF 152 REGISTRY COPYRIGHT 2006 ACS on STN

(Continued)

IN 100605-76-0 REGISTRY

SD Entered STN: 02 Jan 1999

CM Anthracene, 3,6-bis(4-ethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, 12-[4-[(2,4,6-trimethylphenyl)-2-(hydroxy-4,5-methoxyphenyl)amino]-4,5-dihydro-2-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl]-1,2,4,5-tetraol-4'[(2-(hydroxy-4,5-methyl-5-nitrophenyl)amino)-5-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl]benzene (1:1) (KCI) (CA INDEX NAME)

OTHER CA INDEX NAME:

CM Chromate (1-), bis[4,4'-dihydro-4'-(2-(hydroxy-4,5-methoxyphenyl)-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl)-2-(4,5-dihydro-2-(2-(hydroxy-4,5-methyl-5-nitrophenyl)amino)-5-methyl-2-(prop-1H-pyrazol-1-yl)benzimidazole-5-yl)phenyl]anthracene-9,10-diol (KCI) (CA INDEX NAME)

CM 126 Cx N12 002 SD C34 H44 N8 O6

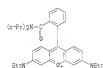
MF CA

LC STN Files: CA, CAPLIS

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1 REFERENCES IN FILE CAPLIS (1980 TO DATE)

REFERENCE 1: 128-41649



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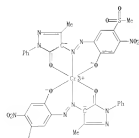
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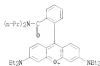
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PAGE 1-A



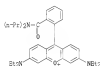
PAGE 2-A

LA ANWER 84 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
 IN 199605-70-6 REGISTRY
 SD Entered STN: 02 Jan 1999
 CV Acetylgluc, 3,6-bis(4-ethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2-[(2-bromoxy-4-6-mittrophenyl]azo-4N)]-9-(azo-4N)-N-phenylbutanamide(2-3)sulfate(2-3), monohydrate(2-3) (KCI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CV Citalate(2-3), bis[2-[(2-bromoxy-4-6-mittrophenyl]azo-4N)]-9-(azo-4N)-N-phenylbutanamide(2-3)-, 3,6-bis[4-ethylamino]-9-[2-[(diisopropylamino)carbonyl]phenyl]azanthylam monohydrate (KCI)
 MZ C24 H44 N8 O2 CSD 324 Co N8 009 C I H
 SD CA
 LC STN Files: CA, CAPLUS
 CM 1
 CRY 199605-70-6
 CIP C24 H44 N8 O2 CSD 324 Co N8 009
 CM 2
 CRY 199605-69-1
 CIP C24 H44 N8 O2

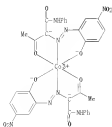


CM 3
 CRY E1746-70-6
 CIP C24 H44 Co N8 009
 CCI CCI

LA ANWER 86 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
 IN 199605-70-4 REGISTRY
 SD Entered STN: 02 Jan 1999
 CV Acetylgluc, 3,6-bis(4-ethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, bis[2-[(2-bromoxy-4-6-mittrophenyl]azo-4N)]-9-(azo-4N)-N-phenylbutanamide(2-3)sulfate(2-3) (KCI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CV Citalate(2-3), bis[2-[(2-bromoxy-4-6-mittrophenyl]azo-4N)]-9-(azo-4N)-N-phenylbutanamide(2-3)-, 3,6-bis[4-ethylamino]-9-[2-[(diisopropylamino)carbonyl]phenyl]azanthylam (KCI)
 MZ C24 H44 N8 O2 CSD 324 Co N8 009
 SD CA
 LC STN Files: CA, CAPLUS
 CM 1
 CRY 199605-69-1
 CIP C24 H44 N8 O2



CM 2
 CRY E1746-70-6
 CIP C24 H44 Co N8 009
 CCI CCI

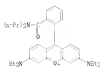


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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

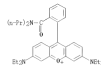
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 REFERENCE 1: 128-41649

LA ANWER 86 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)
 REFERENCE 1: 128-41649

LA NUMBER 86 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 100606-49-2 REGISTRY
 ID Entered STM 09 Jan 1999
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, chloride (9CI)
 CA INDEX NAME
 MF C24 H44 N4 O2
 CI
 CM
 SM



LA NUMBER 87 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 100606-42-4 REGISTRY
 ID Entered STM 09 Jan 1999
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, chloride (1CI)
 CA INDEX NAME
 OTHER CA INDEX NAME:
 CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[(diisopropylamino)carbonyl]phenyl]-, chloride (9CI)
 MF C24 H44 N4 O2
 CI
 CM
 SM
 LC STM Files: CA, CAPLIS
 CKN 119606-49-1



● 11 -

2 REFERENCES IN FILE CA (1900 TO DATE)
 2 REFERENCES IN FILE CAPLIS (1900 TO DATE)

REFERENCE 1 146-21249

REFERENCE 2 128-41649

LA NUMBER 88 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM
 BN 196779-19-2 REGISTRY
 ID Entered STM 12 Sep 1999
 CN Xanthylum, 9-[2-[(4,5-bis[[2,3,4,5,6a,6,7,14,16a,15,16,17,15,19,19a,20,2,3,7,1,26,26a-vicinanhydr-7,13,13,2]-tetrahydro-1H,13H-4,12,25,26-dimetheno[2,6a:16,4-c]pyrrolo[4,3-b:4',3'-d]tetraazepin-10-yl)carbonyl]amino)tetrahydro-1H-azepin-7-yl]carbonyl]phenyl]-5,6-bis(diethylamino)-, [16a²-(5a²,10,43a,19²)(5a²,14a²,19a²,25a²)]-, salt with trifluoroacetic acid (1CI) (CA INDEX NAME)
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 MF C62 H108 N17 O12
 CI
 CM
 SM

CM 1

CN 195554-97-3

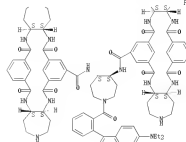
CM C62 H108 N17 O12

Absolute stereochemistry.

PAGE 2-A

LA NUMBER 88 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM (Continued)

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CM 2

CN 16477-72-6

CM C2 H5 O2



LA ANDER 90 09 122 REBISTRY COPYRIGHT 2006 ACS on STN
 BN (2004-06-6) REBISTRY
 US Entered STN 29 Aug 2007
 CN
 Austlium, 9-[2-[15,4-bis[[2,3,4,5,6a,6,7,14,16a,16,16,17,18,19,19a,20,2,3,7,7a,20a-vicosahydro-7,13,21,27-tetraeno-18,220-8,22-22,26-dimethenohexaprop[4,5-b-d',5'-m[[1,4,13,15]tetraazepolodioxim-10-yl)carbonylamino]-1-pyrrolidinyl]carboxyl]phenyl]-2,6-bis(diethylamino)-, conjugate acid (14), 18a5
 [Ea9, 10,354, 429] [Ea9, 14a9, 16a9, 28a9], 14a9, 16a9, 28a9]]- (DCI) [CA INDEX NAME]
 STEREOBOND
 MF C90 H104 N12 O12 4 H
 SR CA
 LC STN Files CA, CAPLIS
 CN (74539-66-8)

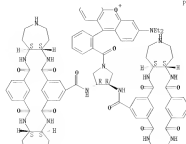
Absolute stereochemistry

PAGE 2-A



LA ANDER 90 09 122 REBISTRY COPYRIGHT 2006 ACS on STN (Continued)

PAGE 2-A



PAGE 3-A

• 1 H⁺

1 REFERENCES IN FILE CA (2007 TO DATE)
 1 REFERENCES IN FILE CAPLIS (2007 TO DATE)

REFERENCE 1: 127-149062

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 BN (2004-06-6) REBISTRY
 US Entered STN 29 Aug 2007
 CN
 Austlium, 9-[2-[15,4-bis[[2,3,4,5,6a,6,7,14,16a,16,16,17,18,19,19a,20,2,3,7,7a,20a-vicosahydro-7,13,21,27-tetraeno-18,220-8,22-22,26-dimethenohexaprop[4,5-b-d',5'-m[[1,4,13,15]tetraazepolodioxim-10-yl)carbonylamino]-1-pyrrolidinyl]carboxyl]phenyl]-2,6-bis(diethylamino)-, conjugate acid (14), 18a5
 [Ea9, 10,354, 429] [Ea9, 14a9, 16a9, 28a9], 14a9, 16a9, 28a9]]- (DCI) [CA INDEX NAME]
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 SR CA
 LC STN Files CA, CAPLIS
 CN (745710-04-0)

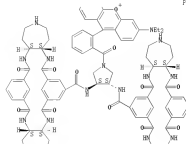
Absolute stereochemistry.

PAGE 2-A



LA ANDER 90 09 122 REBISTRY COPYRIGHT 2006 ACS on STN (Continued)

PAGE 2-A



PAGE 3-A

• 1 H⁺

1 REFERENCES IN FILE CA (2007 TO DATE)
 1 REFERENCES IN FILE CAPLIS (2007 TO DATE)

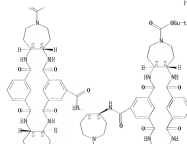
REFERENCE 1: 127-149062

LA ANDER 91 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 180554-04-4 REGISTRY
 CD Entered STN: 29 Aug 1999
 CN Anthelmim, 9-[2-[[4,6-bis[[12,12-bis(1,1-dimethylethoxy)carboxyl]-2,3,4,5,6,7,14,16,18,19,20,21,22,26-tetraazabicyclo[4,5-b-6',5'-n][4,12,13]tetraazepylidene-10-yl]carboxyl]amino]benzylidene-10-oxapin-1-yl]carboxyl]phenyl]-2,6-bis(diethylamino)-, [1aR, 16aR, 18aR, 19aR, 20aR], 14aR, 20aR]]- (XCI)
 (CA INDEX NAME)
 PS STEREOBonds
 MF C17 H30 N12 O10
 CA
 LC STN Files: CA, CAPLUS
 Absolute stereochemistry.

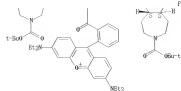
PAGE 1-A

LA ANDER 91 09 152 REGISTRY COPYRIGHT 2006 ACS on STN (continued)
 BN 180554-00-4 REGISTRY
 CD Entered STN: 29 Aug 1999
 CN Anthelmim, 9-[2-[[4,6-bis[[12,12-bis(1,1-dimethylethoxy)carboxyl]-2,3,4,5,6,7,14,16,18,19,20,21,22,26-tetraazabicyclo[4,5-b-6',5'-n][4,12,13]tetraazepylidene-10-yl]carboxyl]amino]benzylidene-10-oxapin-1-yl]carboxyl]phenyl]-2,6-bis(diethylamino)-, [1aR, 16aR, 18aR, 19aR, 20aR], 14aR, 20aR]]- (XCI)
 (CA INDEX NAME)
 PS STEREOBonds
 MF C17 H30 N12 O10
 CA
 LC STN Files: CA, CAPLUS
 Absolute stereochemistry.

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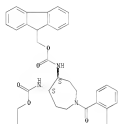


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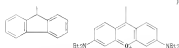
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LA ANDER 90 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 180554-05-0 REGISTRY
 CD Entered STN: 29 Aug 1999
 CN Anthelmim, 9-[2-[[4,6-bis[[12,12-bis(1,1-dimethylethoxy)carboxyl]-2,3,4,5,6,7,14,16,18,19,20,21,22,26-tetraazabicyclo[4,5-b-6',5'-n][4,12,13]tetraazepylidene-10-yl]carboxyl]amino]benzylidene-10-oxapin-1-yl]carboxyl]phenyl]-2,6-bis(diethylamino)-, [1aR, 16aR, 18aR, 19aR, 20aR], 14aR, 20aR]]- (XCI)
 (CA INDEX NAME)
 PS STEREOBonds
 MF C17 H30 N12 O10
 CA
 LC STN Files: CA, CAPLUS
 Absolute stereochemistry.

PAGE 1-A



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1 REFERENCES IN FILE CA (1999 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1999 TO DATE)

REFERENCE 1: 127:140062

LA ANDER 90 09 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 180554-00-4 REGISTRY
 CD Entered STN: 29 Aug 1999
 CN Anthelmim, 9-[2-[[4,6-bis[[12,12-bis(1,1-dimethylethoxy)carboxyl]-2,3,4,5,6,7,14,16,18,19,20,21,22,26-tetraazabicyclo[4,5-b-6',5'-n][4,12,13]tetraazepylidene-10-yl]carboxyl]amino]benzylidene-10-oxapin-1-yl]carboxyl]phenyl]-2,6-bis(diethylamino)-, [1aR, 16aR, 18aR, 19aR, 20aR], 14aR, 20aR]]- (XCI)
 (CA INDEX NAME)
 PS STEREOBonds
 MF C17 H30 N12 O10
 CA
 LC STN Files: CA, CAPLUS
 Absolute stereochemistry.

CM 1
 CEN 76-06-1
 CNF C2 H PS 02



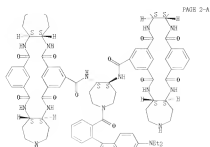
CM 2
 CEN 184279-19-3
 CNF C26 H306 N17 O12
 CM 3
 CEN 180554-07-3
 CNF C26 H306 N17 O12

Absolute stereochemistry.

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L4 ANSWER 66 OF 152 REGISTRY COPYRIGHT 2006 ACS on STM (Continued)



ON 6

CRN 14477-72-6
CMF C2 FS 03

LDN	1
CMF	0



1 REFERENCES IN FILE CA (1900 TO DATE)
1 REFERENCES IN FILE CAPSIS (1900 TO DATE)

2 REFERENCES IN FILE CAPUS (1907 TO DATE)

REFERENCE 1: 127-140965

L4 ANSWER 04 OF 152 REGISTRY COPYRIGHT 2000 ACS on STM

190354-07-3 REGISTRE

ED Entered STN: 29 Aug 1999
CN Yonkers, NY 10474-5000

[illegible]

9aR*, 28aR*]]
PC STEPHEN R. BACH

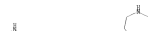
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808

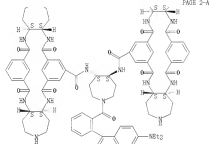
SR C

Absolute stereochemistry

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L4 ANSWER 94 OF 132 REGISTRY COPYRIGHT 2008 ACS on STM (Continued)



L4 ANSWER 96 OF 132 REGISTRY COPYRIGHT 2008 ACS on STM

BN 187003-26-5 REGISTRE

Entered STN: 13 Mar 1998
DeStroetandrea, DuZanino

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CN  D-Streptamycin, 2-(2-amin-6-[[4-[3,6-bis(4-dimethylamino)anthylam-9-yl]-3-
    carbonylbenzoyl]methylamino]-2,3,4,6,7-pentadeoxy-9- $\beta$ -ribo-
    heptopranamyl-(1-4)-0-[3-deoxy-4-C-methyl-3-(methylamino)- $\beta$ -C-
    arabinopranamyl-(3-4)]-2-deoxy-, inner salt (SCI) (CA INDEX NAME)
PS  STEREOSEARCH
MF  C46 H85 N7 O11
SE  CA
LC  GEN BIL-... CA C46H85

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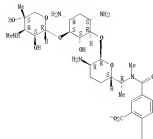
PS STEREOREGULAR

MF C46 H63 N7 O13

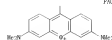
SR	C
LC	S

LC: SUN File: CA, CA

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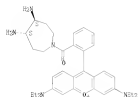


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPUS (1907 TO DATE)

1 REFERENCES IN FILE CAPUS (1907 TO DATE)

REFERENCE 1 1261152417

LA ANDER 96 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 06196-49-2 REGISTRY
 SD Botred STN 25 Jul 1996
 CN Karchilium, 9-[2'-[[(4a,5b)-4,5-diaminotetrahydro-1H-asepin-1'-yl]carbonyl]phenyl]-9,6-bis(4-ethylanilino)-, chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CN Karchilium, 9-[5'-[(4,5-diaminotetrahydro-1H-asepin-1'-yl)carbonyl]phenyl]-9,6-bis(4-ethylaminyl)-, chloride (KCL)
 PS 2180665A(US)
 MF CA 564 80 02 - C1
 SN CA
 LC STN Files CA, CAPLIS, CASREACT
 CN (025146-05-1)
 Abstract stereochemistry.

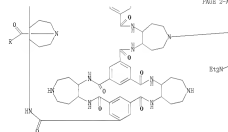


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2 REFERENCES IN FILE CA (1969 TO DATE)
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 REFERENCE 1: 146 212000
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LA ANDER 97 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)

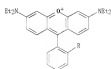
PAGE 2-A



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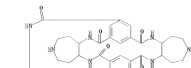
CM 2

CN 14417-02-6
 CN 02 02 02

LA ANDER 97 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 06196-49-2 REGISTRY
 SD Botred STN 25 Jul 1996
 CN Karchilium, 9-[2'-[[(4a,5b)-4,5-bis(4-ethylaminyl)-4,5-diaminotetrahydro-1H-asepin-1'-yl]carbonyl]phenyl]-9,6-bis(4-ethylaminyl)-, chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAME:
 CN Karchilium, 9-[5'-[(4,5-diaminotetrahydro-1H-asepin-1'-yl)carbonyl]phenyl]-9,6-bis(4-ethylaminyl)-, chloride (KCL)
 PS 2180665A(US)
 MF CA 564 80 02 - C1
 SN CA
 LC STN Files CA, CAPLIS, CASREACT
 CN (025146-05-1)
 Abstract stereochemistry.

CM 1
 CN 165196-65-3
 CN 0128 0148 022 016

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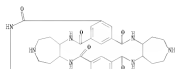
LA ANDER 97 0F 152 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)



1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLIS (1969 TO DATE)
 REFERENCE 1: 125-03090

LA NUMBER 96 09 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN (61190-46-3) REGISTRY
 ID Entered STN 26 Jul 2006
 CN Acetylcholine, 9,9'-[1,4,5,6,7,14,16a,15,16,17,18,19,19a,20A,21,22,28,28A,29,30,32,33,34a,35,42,43,44,45,46,47,47a,48,49,55,56,56a,61,62,63,64,65,66,74,75,76,77,78,79-dipentacontahydro-1,15,17,17a,44a,45a,46,47,81-dodecane-50,101,103,431,606,739-16,24,38,52-bis(isoindolin-4,5)-endo-aspiro[imino]methano)-4,12,20,26,36,40,48a-hexamethyleneoctahydro[1,6,9-n-4',4''-n-4''',n'''-4,12,15,25,36,34,37]octanacyclotetratecatenane-5,31-bis[1,4-bis(2-hydroxy-2-propenyl)-1,3,6-triazole]dipyrrolo-2,3-bis[3,5-bis(4,4a,8a,14a,16a,20a,28a,33a,43a,45a,47a,56a,60a,65a,72a,78a)]-2,6,11] CA INDEX NAME)
 MF C148 H148 N20 O16
 CI 260
 CM
 CN

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LA NUMBER 96 09 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN (61190-46-3) REGISTRY
 ID Entered STN 26 Jul 2006
 CN Acetylcholine, 9,9'-[1,4,5,6,7,14,16a,15,16,17,18,19,19a,20A,21,22,28,28A,29,30,32,33,34a,35,42,43,44,45,46,47,47a,48,49,55,56,56a,61,62,63,64,65,66,74,75,76,77,78,79-dipentacontahydro-1,15,17,17a,44a,45a,46,47,81-dodecane-50,101,103,431,606,739-16,24,38,52-bis(isoindolin-4,5)-endo-aspiro[imino]methano)-4,12,20,26,36,40,48a-hexamethyleneoctahydro[1,6,9-n-4',4''-n-4''',n'''-4,12,15,25,36,34,37]octanacyclotetratecatenane-5,31-bis[1,4-bis(2-hydroxy-2-propenyl)-1,3,6-triazole]dipyrrolo-2,3-bis[3,5-bis(4,4a,8a,14a,16a,20a,28a,33a,43a,45a,47a,56a,60a,65a,72a,78a)]-2,6,11] CA INDEX NAME)
 MF C148 H148 N20 O16 2 CI
 CI 260
 CM
 CN (744177-13-7)

- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

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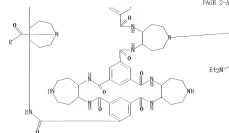
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- 1 REFERENCES IN FILE CA (1967 TO DATE)
- 1 REFERENCES IN FILE CAPLIS (1967 TO DATE)

REFERENCE 1: 125-93992

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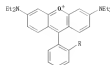
PAGE 2-A



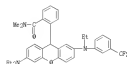
PAGE 2-B



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LA NUMBER 100 09 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 125003-91-1 REGISTRY
 ID Entered STN: 21 Dec 1999
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 MF C26 H36 F3 N6 O2
 CI 574
 CM
 CN STN Files: CA, CAPLIS, REPAIRS



PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT

- 1 REFERENCES IN FILE CA (1967 TO DATE)
- 1 REFERENCES IN FILE CAPLIS (1967 TO DATE)

REFERENCE 1: 116-34465

LA ANKER 100 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 121190-46-Q REGISTRY
SD Refered STN 19 May 1999
CN 1-Propansamitrua, 3-[bis[2-[6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-5H-naphtho[9,11-benzofuran]-9,9A,N-trimethyl-, methyl sulfate (9CI) CA
INDEX NAME
MF C27 H34 N6 O4 C 15 04 5
CA
LC STN Files CA, CAPLUS, USPATL, USPTFILE

CM 1
CNU 121190-47-Q
CMF C27 H34 N6 O4



CM 2
CNU 11229-00-0
CMF C 25 04 5

Me-O-SO₂-

2 REFERENCES IN FILE CA (1960 TO DATE)
2 REFERENCES IN FILE CAPLUS (1960 TO DATE)
REFERENCE 1: 147 0641
REFERENCE 2: 112 316769

LA ANKER 100 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 121190-47-Q REGISTRY
SD Refered STN 19 May 1999
CN 1-Propansamitrua, 3-[bis[2-[6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-5H-naphtho[9,11-benzofuran]-9,9A,N-trimethyl-, methyl sulfate (9CI) CA
INDEX NAME
MF C27 H34 N6 O4 C 15 04 5
CA
LC STN Files CA, CAPLUS, USPATL, USPTFILE

CM 1
CNU 64-19-7
CMF C2 H4 O2



CM 2
CNU 340164-97-4
CMF C27 H34 N6 O4 C 15 04 5
CM 3
CNU 338670-00-0
CMF C27 H34 N6 O4



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CM 4
CNU 71-60-1
CMF C2 H5 O2

LA ANKER 100 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 121190-47-Q REGISTRY
SD Refered STN 19 May 1999
CN 1-Propansamitrua, 3-[bis[2-[6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-5H-naphtho[9,11-benzofuran]-9,9A,N-trimethyl-, methyl sulfate (9CI) CA
INDEX NAME
MF C27 H34 N6 O4
CA
LC STN Files CA, CAPLUS, USPATL, USPTFILE



LA ANKER 100 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN (Continued)
IN 121190-47-Q REGISTRY
SD Refered STN 19 May 1999
CN 1-Propansamitrua, 3-[bis[2-[6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-5H-naphtho[9,11-benzofuran]-9,9A,N-trimethyl-, methyl sulfate (9CI) CA
INDEX NAME
MF C27 H34 N6 O4
CA
LC STN Files CA, CAPLUS, USPATL, USPTFILE



LA ANKER 106 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 12582-16-Q REGISTRY
SD Entered STN 22 Oct 1999
CN Benzamide, N-[2-(4-methylamino)propyl]-2-[6-(ethylamino)-3-(ethylamino)-
3,4-dimethyl-2H-naphthen-9-yl]-4-[2-[6-(ethylamino)-3-(ethylamino)-2,4-
dimethyl-5H-naphthen-9-yl]-2-methyl-] CA INDEX NAME
MF C28 H42 N4
SR CA Client Services
LC STN Files: CA, CAPLUS, USPATFILL



PROPERTY DATA AVAILABLE IN THE "FORM" FORMAT

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2 REFERENCES IN FILE CAPLUS (1967 TO DATE)
REFERENCE 1: 105 261000
REFERENCE 2: 112 218789

LA ANKER 106 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 117002-43-Q REGISTRY
SD Entered STN 22 Oct 1999
CN Acetylcholine, 3,6-bis(4-methylamino)-9-[3-[(4,5-dioxo-1-
pyrrolidinyl)acetyl]phenyl]- CA INDEX NAME
MF C28 H42 N4
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
REFERENCE 1: 100 226184

LA ANKER 106 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 117041-17-Q REGISTRY
SD Entered STN 22 Oct 1999
CN Acetylcholine, 3,6-bis(4-methylamino)-9-[2-[(4,5-dioxo-1-
pyrrolidinyl)acetyl]phenyl]- CA INDEX NAME
MF C28 H42 N4
SR CA
LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 146-212500
REFERENCE 2: 169-226184

LA ANKER 107 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 112047-70-Q REGISTRY
SD Entered STN 14 Jun 1998
CN Acetylcholine, 9-[2-[(4,5-dioxo-3,5-dioxo-1H-pyrrol-1-yl)acetyl]phenyl]-
3,6-bis(4-methylamino)- CA INDEX NAME
MF C28 H42 N4
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
REFERENCE 1: 106-70007

LA NUMBER 109 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 062302-25-9 REGISTRY
 SD Entered STN: 22 Nov 1996
 CN Benzamide, N,N-diethyl-2-[6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-5H-xanthen-9-yl]- (CA INDEX NAME)
 MF C20 H30 N3 O2 (CA INDEX NAME)
 DB CA
 LC STN Files: CA, CAPLUS, USPAPOLL



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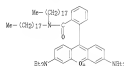
LA NUMBER 109 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 062302-24-8 REGISTRY
 SD Entered STN: 22 Nov 1996
 CN Benzamide, 2-[6-(ethylamino)-3-(ethylamino)-2,7-dimethyl-5H-xanthen-9-yl]-
 N,N-dimethyl- (CA INDEX NAME)
 MF C20 H30 N3 O2 (CA INDEX NAME)
 DB CA
 LC STN Files: CA, CAPLUS, USPAPOLL



***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**

2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 REFERENCE 1: 135-241990
 REFERENCE 2: 166-210416

LA NUMBER 110 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 062301-44-6 REGISTRY
 SD Entered STN: 20 Aug 1996
 CN Methylam, 3,6-bis(diethylamino)-9-[2-[(di-octadecylamino)carbonyl]phenyl]-
 chloride (1:1) (CA INDEX NAME)
 OTHER CA INDEX NAMES
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 chloride (1:1)
 MF C64 H104 N8 O2 Cl
 DB CA
 LC STN Files: CA, CAPLUS
 CAX (PAC48-3P-1)



● Cl⁻

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 REFERENCE 2: 106-003264

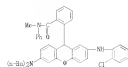
LA NUMBER 111 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
 BN 062307-16-9 REGISTRY
 SD Entered STN: 20 Sep 1995
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 p-tolyl- (CA INDEX NAME)
 MF C22 H31 Cl N2 O2
 DB CA
 LC STN Files: CA, CAPLUS



***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**

4 REFERENCES IN FILE CA (1967 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 REFERENCE 1: 111-25006
 REFERENCE 2: 169-190738
 REFERENCE 3: 167-179874
 REFERENCE 4: 165-175912

LA ANKER 113 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 96267-11-2 REGISTRY
SD Entered STN: 29 Sep 1986
CN Benzamide, 2-[2-[(2-chlorophenyl)amino]-6-(diethylamino)-9H-xantho-9-yl]-N-methyl-N-phenyl- (CA INDEX NAME)
MF C41 H41 Cl N3 O2
SX CA
LC STN Files: CA, CAPLUS

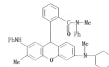


***PROPERTY DATA AVAILABLE IN THE "FROM" FORMAT**

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 105:155012

LA ANKER 113 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 96267-14-8 REGISTRY
SD Entered STN: 29 Sep 1986
CN Benzamide, 2-[6-(tert-butoxy(methylamino)-3-methyl-2-(phenylamino)-9H-xantho-9-yl)-N-methyl-N-phenyl- (CA INDEX NAME)
MF C41 H41 N3 O2
SX CA
LC STN Files: CA, CAPLUS

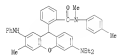


***PROPERTY DATA AVAILABLE IN THE "FROM" FORMAT**

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 105:155012

LA ANKER 114 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 96267-12-7 REGISTRY
SD Entered STN: 29 Sep 1986
CN Benzamide, 2-[6-(diethylamino)-3-methyl-2-(phenylamino)-9H-xantho-9-yl]-N-methyl-N-(4-methylphenyl)- (CA INDEX NAME)
MF C39 H39 N3 O2
SX CA
LC STN Files: CA, CAPLUS



***PROPERTY DATA AVAILABLE IN THE "FROM" FORMAT**

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 105:155012

LA ANKER 115 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
BN 96267-12-6 REGISTRY
SD Entered STN: 29 Sep 1986
CN Benzamide, 2-[6-(diethylamino)-3-methyl-2-(phenylamino)-9H-xantho-9-yl]-N-ethyl-N-phenyl- (CA INDEX NAME)
MF C39 H39 N3 O2
SX CA
LC STN Files: CA, CAPLUS



***PROPERTY DATA AVAILABLE IN THE "FROM" FORMAT**

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 105:155012

LA ANKER 116 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
BN 06267-11-5 REGISTRY
SD Entered STN: 29 Sep 1995
CN Benzamide, 2-[4-(diethylamino)-3-methyl-2-(phenylamino)-9H-xanthen-9-yl]-N-methyl-N-methyl- (CA INDEX NAME)
MF C28 H37 N3 O2
SX CA
LC STN Files: CA, CAPLUS

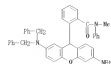


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2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 100 101061
REFERENCE 2: 100 125012

LA ANKER 117 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
BN 06267-10-4 REGISTRY
SD Entered STN: 29 Sep 1995
CN Benzamide, 2-[2-[bis(phenylmethyl)amino]-6-(diethylamino)-9H-xanthen-9-yl]-N-methyl-N-methyl- (CA INDEX NAME)
MF C42 H43 N3 O2
SX CA
LC STN Files: CA, CAPLUS



##PROPERTY DATA AVAILABLE IN THE "PDB" FORMAT##

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 100 125012

LA ANKER 118 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
BN 06267-02-1 REGISTRY
SD Entered STN: 29 Sep 1995
CN Benzamide, 2-[2-chloro-6-(diethylamino)-2-(phenylamino)-9H-xanthen-9-yl]-N-methyl-N-methyl- (CA INDEX NAME)
MF C27 H28 Cl N3 O2
SX CA
LC STN Files: CA, CAPLUS



##PROPERTY DATA AVAILABLE IN THE "PDB" FORMAT##

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 100 125012

LA ANKER 119 OF 132 REGISTRY COPYRIGHT 2000 ACS on STN
BN 06267-06-9 REGISTRY
SD Entered STN: 29 Sep 1995
CN Benzamide, 2-[2-chloro-6-(diethylamino)-2-methyl-9H-xanthen-9-yl]-N,N-diphenyl- (CA INDEX NAME)
MF C31 H33 Cl N3 O2
SX CA
LC STN Files: CA, CAPLUS



##PROPERTY DATA AVAILABLE IN THE "PDB" FORMAT##

1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 100 125012

LA ANKER 100 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 96257-01-2 REGISTRY
 SD Entered STN 29 Sep 1985
 CN Benzamide, 2-[2-(diethylamino)-12H-benzo[a]xanthen-12-yl]-4,N-diethyl-
 CA INDEX NAME
 OR 12H-benzo[a]xanthen-, benzamide deriv.
 MF C22 H24 N2 O2
 SX CA
 LC STN Files: CA, CAPLUS



***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**
 1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)
 REFERENCE 1: 100 1250012

LA ANKER 121 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 96257-06-8 REGISTRY
 SD Entered STN 29 Sep 1985
 CN Benzamide, 2-[5,6-bis(diethylamino)-9H-xanthen-9-yl]-4,N-diphenyl-
 CA INDEX NAME
 MF C24 H24 N2 O2
 SX CA
 LC STN Files: CA, CAPLUS



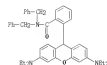
***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**
 1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)
 REFERENCE 1: 100 1250012

LA ANKER 122 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 96257-01-7 REGISTRY
 SD Entered STN 29 Sep 1985
 CN Benzamide, 2-[2,6-bis(diethylamino)-9H-xanthen-9-yl]-4-methyl-N-phenyl-
 CA INDEX NAME
 MF C23 H26 N2 O2
 SX CA
 LC STN Files: CA, CAPLUS



***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**
 1 REFERENCES IN FILE CA (1969 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)
 REFERENCE 1: 100 1250012

LA ANKER 123 0F 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 96257-04-6 REGISTRY
 SD Entered STN 29 Sep 1985
 CN Benzamide, 2-[5,6-bis(diethylamino)-9H-xanthen-9-yl]-4,N-bis(phenylethyl)-
 CA INDEX NAME
 MF C28 H28 N2 O2
 SX CA
 LC STN Files: CA, CAPLUS



***PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT**
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 1 REFERENCES IN FILE CAPLUS (1969 TO DATE)
 REFERENCE 1: 100 1250012

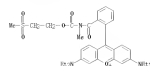
LA NUMBER 124 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 00517-02-5 REGISTRY
SD Entered STN 16 Nov 1984
CN Benzamide, 2-[2,6-bis(diethylamino)-9H-xanthen-9-yl]-N,N-diethyl- CA
INDEX NAME
MF C22 H41 N3 O2
DA CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT

1 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)
REFERENCE 1: 1051155012

LA NUMBER 125 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 00542-09-2 REGISTRY
SD Entered STN 16 Nov 1984
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[[methoxy[[2-(2-methylsulfonyl)ethoxy]carbonyl]amino]carbonyl]phenyl]-, iodide (1:1) CA
INDEX NAME
OTHER CA INDEX NAME
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-[[methoxy[[2-(2-methylsulfonyl)ethoxy]carbonyl]amino]carbonyl]phenyl]-, iodide (DCI)
MF C22 H40 N3 O6 S
DA CA
LC STN Files: CA, CAPLUS, USPATPOLL
CN (25200-87-6)

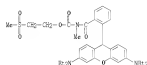


• 1 •

5 REFERENCES IN FILE CA (1969 TO DATE)
3 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 146:212209
REFERENCE 2: 96:172117
REFERENCE 3: 96:53846

LA NUMBER 126 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 00518-92-0 REGISTRY
SD Entered STN 16 Nov 1984
CN Carbamic acid, 1-[2,6-bis(diethylamino)-9H-xanthen-9-yl]benzoylmethyl-, 2-methylsulfonyl)ethyl ester (DCI) CA INDEX NAME
MF C23 H41 N3 O6 S
DA CA
LC STN Files: CA, CAPLUS, USPATPOLL

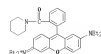


PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT

2 REFERENCES IN FILE CA (1969 TO DATE)
2 REFERENCES IN FILE CAPLUS (1969 TO DATE)
REFERENCE 1: 96:172117
REFERENCE 2: 96:53846

LA NUMBER 127 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
IN 00579-02-6 REGISTRY
SD Entered STN 16 Nov 1984
CN Bisammonium, N-[2-(diethylamino)-9-[2-(1-piperidyl)carbonyl]phenyl]-3H-xanthen-9-ylidene-N-ethyl-, (1-)-tetrachloroacetate (2-)- Cl CA INDEX NAME
MF C23 H40 N3 O2
DA CA
LC STN Files: CA, CAPLUS

CN 1
CN 58379-02-6
CN C23 H40 N3 O2



CN 2
CN 15201-06-6
CN C14 H24
CN C23



1 REFERENCES IN FILE CA (1969 TO DATE)
1 REFERENCES IN FILE CAPLUS (1969 TO DATE)

REFERENCE 1: 84:160904

LA NUMBER 129 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 58377-91-5 REGISTRY
 SD Entered STN 16 Nov 1984
 CN Ethanammonium, N-[7-[(diethylamino)carbonyl]phenyl]-10H-benzo[c]xanthen-10-ylidene-N-methyl-, acetate (XCI) (CA INDEX NAME)
 MF C29 H35 N3 O2
 C1 COM



LA NUMBER 129 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 58377-91-6 REGISTRY
 SD Entered STN 16 Nov 1984
 CN Ethanammonium, N-[7-2-[(diethylamino)carbonyl]phenyl]-10H-benzo[c]xanthen-10-ylidene-N-methyl-, acetate (XCI) (CA INDEX NAME)
 OTHER CA INDEX NAMES
 CN 10H-Benzo[c]xanthene, ethanammonium deriv.
 MF C29 H35 N3 O2 C1 H3 O2
 LC STN Files: CA, CAPLUS

CM 1
 CN 58377-90-5
 CMF C29 H35 N3 O2



CM 2
 CN 71-59-1
 CMF C2 H5 O2



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 84:91547

LA NUMBER 130 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 58377-90-0 REGISTRY
 SD Entered STN 16 Nov 1984
 CN Ethanammonium, N-[7-2-[(diethylamino)carbonyl]phenyl]-10H-benzo[c]xanthen-10-ylidene-N-methyl-, acetate (XCI) (CA INDEX NAME)
 OTHER CA INDEX NAMES
 CN 10H-Benzo[c]xanthene, ethanammonium deriv.
 MF C29 H35 N3 O2
 C1 COM



LA NUMBER 131 OF 132 REGISTRY COPYRIGHT 2006 ACS on STN
 BN 58377-90-2 REGISTRY
 SD Entered STN 16 Nov 1984
 CN Ethanammonium, N-[7-ethyl-2-[(diethylamino)carbonyl]phenyl]-6-methyl-10H-benzo[c]xanthen-10-ylidene-N-methyl-, acetate (XCI) (CA INDEX NAME)
 MF C29 H35 N3 O2 C1 H3 O2
 LC STN Files: CA, CAPLUS

CM 1
 CN 58377-88-1
 CMF C29 H35 N3 O2



CM 2
 CN 71-59-1
 CMF C2 H5 O2



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 84:91547

LA NUMBER 123 OF 133 REGISTER COPYRIGHT 2006 ACS on STN
IN 08/27/98-1 REGISTER
SD Entered STN 25 Nov 1994
CN Ethanolamine, N-[2-chloro-4-[[2-[(diethylamino)carbonyl]phenyl]-6-methyl-5H-
santhran-3-ylidene]-N-ethyl- (CA INDEX NAME)
MF C29 H30 Cl N2 O2
CZ 1388



=> fil capl
FILE 'CAPLUS' ENTERED AT 10:00:15 ON 06 NOV 2008
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FILE COVERS 1907 - 6 Nov 2008 VOL 149 ISS 19
FILE LAST UPDATED: 4 Nov 2008 (20081104/ED)

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<http://www.cas.org/legal/infopolicy.html>
'FIONA' IS DEFAULT FORMAT FOR 'CAPLUS' FILE

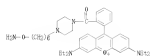
=> s 13
L6 71 L3

=> s 16 not 15
L7 28 L6 NOT L5

=> d 1-28 bib abs hitstr

LJ ANKER 1 OF 28 CAPLUS OMPRIEST 2008 ACS ON STN
 AN 2006-127256 CAPLUS
 T1 N-terminal protein modification through a biometric transamination reaction [Literature to document cited as CA145-434206]
 AJ Sliemers, Joshua V. Schenk, Rebecca A. Bauer-Katze, Aaron P. Joshi, Neil S. Pandey, Matthew B.
 Department of Chemistry, Lawrence Berkeley National Laboratory, University of California, Berkeley, CA 94720, USA
 JN Lawrence Berkeley National Laboratory Division (2006), 47(11), 2788
 OXON ABSP, ISSN 1433-7661
 FJ Wiley-VCH Verlag GmbH & Co. KGaA
 DJ Journal: Berich
 LA English

AB No issue 2006, in Figure 1b, the signal corresponding to unmodified protein is incorrectly given as "m/z 16626", and should read "m/z 16627". The correct figure is given.
 IT 91671-70-9
 R: SM (Synthetic preparation), RCT (Reactant), SM (Synthetic preparation), BLOC (Biological study), PREP (Preparation), RACT (Reactant or reagent), USE (Use)
 N-terminal protein modification through biometric transamination reaction [Literature]
 AN 91671-70-9 CAPLUS
 CN Acetyl-Lysine, 5,6-bis(diethylamino)-2-[2-[(4-{6-[(dimethylamino)phenyl]-5,6-bis(diethylamino)-2-chloro-1-phenyl]-1-piperazinyl]carbonyl]phenyl]-chloride (11) (CA INDEX NAME)



● Cl⁻

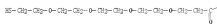
IT 972115-49-9
 R: RCT (Reactant), RACT (Reactant or reagent)
 N-terminal protein modification through biometric transamination reaction [Literature]
 AN 972115-49-9 CAPLUS
 CN Acetyl-Lysine, 5,6-bis(diethylamino)-2-[2-[(4-{6-[(dimethylamino)phenyl]-5,6-bis(diethylamino)-2-chloro-1-phenyl]-1-piperazinyl]carbonyl]phenyl]-chloride (11) (CA INDEX NAME)

LJ ANKER 2 OF 28 CAPLUS OMPRIEST 2008 ACS ON STN
 AN 2006-100067 CAPLUS
 T1 Array-based fluorescence assay for serine/threonine kinases using specific chemical reaction
 AJ Arata, Shoji, Shigemasa, Naoki, Kato, Noboru, Hasegawa, Toshihiro
 Graduate School of Pharmaceutical Sciences, Nagoya City University, 3-1 Tanabe-dori, Showa-ku, Nagoya, Aichi, 466-0005, Japan
 JN Bioorganic & Medicinal Chemistry (2006), 14(16), 7787-7794
 OXON ABSP, ISSN 0969-0958
 FJ Elsevier Ltd
 DJ Journal
 LA English

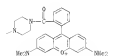
AB We report herein the development of an efficient fluorescence assay for serine/threonine kinases using a peptide array. Our approach is based on chemical reactions specific to phosphoserine and phosphothreonine residues, i.e., base-mediated P-elimination of the phosphate group and subsequent Michael addition of a thiol-containing fluorescent reagent. This procedure enables the convenient introduction of a fluorescent moiety into the phosphorylated peptide. Novel fluorescence reagents were designed for this purpose and synthesized. Such these reagents (protein kinase A (PKA) and Akt-1 activities were readily detected. Our method can also be used to measure the activity of kinase inhibitors. This assay is expected to be widely applicable in kinase research.

IT 1010796-90-9 1010796-90-9
 R: AB (Analytical reagent use), SM (Synthetic preparation), ANST (Analytical study), PREP (Preparation), USE (Use)
 Fluorescent reagent: tetramethylrhodamine derivative reagents preparation and base-stable peptide array-based fluorescence assay for serine/threonine kinases using base-mediated phosphate P-elimination
 AN 1010796-90-9 CAPLUS
 CN INDEX NAME NOT TEST ASSIGNED

PAGE 1-A

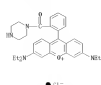


PAGE 1-B



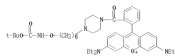
AN 1010796-90-9 CAPLUS
 CN INDEX NAME NOT TEST ASSIGNED

LJ ANKER 1 OF 28 CAPLUS OMPRIEST 2008 ACS ON STN (Continued)



● Cl⁻

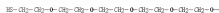
IT 91671-70-9
 R: SM (Synthetic preparation), PREP (Preparation)
 N-terminal protein modification through biometric transamination reaction [Literature]
 AN 91671-70-9 CAPLUS
 CN Acetyl-Lysine, 5,6-bis(diethylamino)-2-[2-[(4-{6-[(dimethylamino)phenyl]-5,6-bis(diethylamino)-2-chloro-1-phenyl]-1-piperazinyl]carbonyl]phenyl]-chloride (11) (CA INDEX NAME)



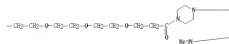
● Cl⁻

LJ ANKER 2 OF 28 CAPLUS OMPRIEST 2008 ACS ON STN (Continued)

PAGE 1-A



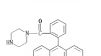
PAGE 1-B



PAGE 1-C



IT 1010796-90-9 1010796-90-9
 R: RCT (Reactant), SM (Synthetic preparation), PREP (Preparation), RACT (Reactant or reagent)
 Tetramethylrhodamine derivative reagents preparation and base-stable peptide array-based fluorescence assay for serine/threonine kinases using base-mediated phosphate P-elimination
 AN 1010796-90-9 CAPLUS
 CN INDEX NAME NOT TEST ASSIGNED



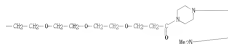
AN 1010796-90-9 CAPLUS
 CN INDEX NAME NOT TEST ASSIGNED

LY AR509X 2 OF 28 CAPLIS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-C



RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE XE FORMAT

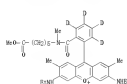

$$AcS-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-$$


PAGE 1-B

LJ ANSWER 3 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

17 1040154-61-Q 1040154-65-Q
 RL: RCT (Reactant): SPN (Synthetic preparation), PREP (Preparation), RACT
 (Reactant or reagent)
 (detection and relative quantification of proteins by surface enhanced
 Raman using isotopic labels, SDS-polyacrylamide gel electrophoresis)

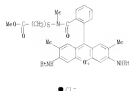
and silver nanoparticle staining)
 RN 1040(34-6)-9 CAPUS
 CN Xanthylum, 3,6-bis(ethylamino)-9-[[6-methoxy-6-oxohexyl)methylamino]carbonyl]phenyl]-2,3,4,5-tetrakis(7-dimethyl)-, chloride
 (1.1) ICA INDEX NAME



IN 1040134-65-3 CAPLUS

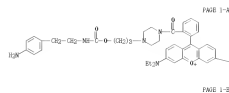
CN 3-(2,2-dimethyl-4-(4-methoxy-6-oxohexyl)ethylamino)carbonylphenyl-1,2,3-trimethyl-5-oxo-1,2,3,4-tetrahydropyridine-6-carboxamide (1:1) (25)

L7 ANEXER 3 OF 26 CAPLUS OMPRIGET 3000 ACS on STN (Continued)

RE CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE 30 PAGES

L7 ANEXER 4 OF 26 CAPLUS OMPRIGET 3000 ACS on STN

- AN 2006 651481 CAPLUS
IN 159-5279
T1 Characterization of a Three-Component Coupling Reaction on Proteins by Isotopic Labeling and Nuclear Magnetic Resonance Spectroscopy
AU McFarland, Jeong W.; Joch, Neel S.; Francis, Matthew B
C2 Department of Chemistry, University of California, Berkeley, CA, 94720-1460, USA
J9 Journal of the American Chemical Society (JACS), 128(24), 7639-7644
OOWN: JACSAT; ISSN: 0002-7063
PT American Chemical Society
JF Journal
LA English
QE CASREACT 149-6379
AS A three-component Mannich-type electrophilic aromatic substitution reaction was previously developed to target the phenolic side chain of tyrosine residues on proteins. This reaction proceeds under mild conditions and provides a convenient alternative to lysine-targeting strategies. However, the use of reactive aldehydes, such as formaldehyde, warrants careful inspection of the reaction product to ensure that other modifications have not occurred. Through the use of isotopically enriched reagents, NMR-based studies were used to obtain structural confirmation of the tyrosine-modification products. These eight, also revealed the formation of a reaction byproduct arising from the undue ring of tryptophan residues. Cysteine residues were shown to not participate in the reaction, except in the case of a reduced disulfide, which formed a dihydroacetal. The authors anticipate that this anal. method will prove useful for the detailed study of a number of bioconjugation reactions.
- IT 854802-00-0
E, RUI (biological use, unclassified); RCT (reagent); RUM (biological study); RUT (reagent or reagent); RUS (use)
IN 854802-00-0 CAPLUS
CN Kunitzium, P [2-[[4-[2-[[[2-(4-aminophenyl)ethyl]amino]carbonyl]oxy]piperidin-1-yl]piperazinyl]carbonyl]phenyl]-5,6-bis(diethylamino)-] CA INDEX NAME



~NH2

L7 ANEXER 5 OF 26 CAPLUS OMPRIGET 3000 ACS on STN (Continued)

RE CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE 30 PAGES

- L7 ANEXER 6 OF 26 CAPLUS OMPRIGET 3000 ACS on STN
AN 2006 660607 CAPLUS
IN 148-370018
T1 Peptide (Amino- and Guanidinium-Carrier Systems) Targeted Drug Delivery into the Cell Cytoplasm or the Nucleus
AU Schreiber, Tina; Niermer, Nicole; Altmann, Sergii; Ulrich, Anne S.; Kraus, Harald F.; Roemer, Stefan
C2 Institute of Organic Chemistry, University of Karlsruhe (TH), Karlsruhe, 76121, Germany
J9 Journal of Medicinal Chemistry (JMC), 49(10), 376-379
OOWN: JMCAT; ISSN: 0022-2625
PT American Chemical Society
JF Journal
LA English
QE CASREACT 148-370018
AS Efficient drug delivery is essential for more therapeutic applications. Some cell-penetrating peptides, peptide amides, and peptide excess transport function that, however, lack in most cases specific intracellular destination. In this study, carrier-peptides with either amino or guanidinium side chains were synthesized via solid-phase synthesis, and investigated with regard to their cellular uptake, toxicity, and intracellular localization. Transport specifically to the cytosol or to the nuclei was observed, thus providing a powerful tool for targeted drug delivery.
- IT 001312-47-80
E, RUI (biological study, unclassified); SPW (synthetic preparation); RUM (biological study); RUP (preparation)
IN 001312-47-80 CAPLUS
CN Glycinamide, N-[[4-(aminomethyl)amino]hexyl]-N'-[2-(2,6-bis(diethylamino)amino)hexyl]-N''-[[4-(2-aminomethylamino)hexyl]ethyl]-N'''-[[4-(2-aminomethylamino)hexyl]ethyl]-N''''-[[4-(2-aminomethylamino)hexyl]ethyl]-N'''''-[[4-(2-aminomethylamino)hexyl]ethyl]-N''''''-[[4-(2-aminomethylamino)hexyl]ethyl]-N'''''''-[CA INDEX NAME]

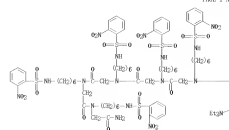


PAGE 1-A

LJ ANSWER 5 OF 26 CAPLIS COPYRIGHT 2008 ACS on STN (Continued)



PAGE 1-3

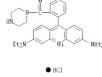


LJ ANSWER 6 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PMIR 1-2

O=C1C(=O)CCCC1OC(=O)NCCCN(Cc1ccc(cc1)-c2ccccc2)c3cccc(c3)[NH+]Et
● □⁺

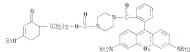
17 1001575-96-77 1001575-97-82 1001575-99-0



IN 1001575-97-8 CNPLJCS

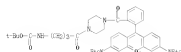
ON Xanthylum, 6-bis(diethylamino)-9-[2-[[4-[[3-(4-ethoxy-2-oxo-5-cyclohexen-1-yl)propoxy]carbonyl]-1-piperazinyl]carbonyl]phenyl]-chloride (1) CA INDEX NAME

L2 ANKER 6 OF 28 CAPLUS OMPRIEST 2008 ACS on STN (Continued)

● Cl⁻

IN 000216-99-0 CAPLUS

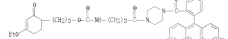
CN Anthralin, 5,6-bis(4-ethylamino)-9-[2-[[4-[[4-[[1,1-dimethylethoxy]carbonyl]amino]-1-oxoethyl]-1-piperazinyl]carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

IN 000216-00-6 CAPLUS

CN Anthralin, 5,6-bis(4-ethylamino)-9-[2-[[4-[[4-[[1,1-dimethylethoxy]carbonyl]amino]-1-oxoethyl]-1-piperazinyl]carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)

PAGE 3-A

● Cl⁻

L2 ANKER 7 OF 28 CAPLUS OMPRIEST 2008 ACS on STN

IN 2007-124406 CAPLUS

IN 148-10466 CAPLUS

T Rhodamine fluorescent dye compounds and the use of their labeled

compounds

IN Romanov, Nikolai Nikolaevich; Barnes, Colin Lloyd

IN Soletis L24264 US

IN PCT Int. Appl. 10pp

IN OIGEN 774302

IN Patent

IN English

IN FIAN CVT

IN PATENT NO

IN 2007124406

IN 14810466

IN 774302

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L2 ANKER 6 OF 28 CAPLUS OMPRIEST 2008 ACS on STN (Continued)

PAGE 1-B

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RE. ONT. 20 THERE ARE NO CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE. FORMAT

L2 ANKER 7 OF 28 CAPLUS OMPRIEST 2008 ACS on STN (Continued)

IN 2

IN 121-44-6

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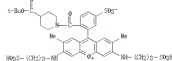
IN 969669-39-7 CAPLUS

CN Anthralin, 9-[2-[[4-[[1,1-dimethylethoxy]carbonyl]-1-piperidinyl]carbonyl]-4-sulfamoyl]-5,6-bis(4-sulfamoyl)amino)-, inner salt, compd with N,N-diethylethanamine (1:1) (CA INDEX NAME)

IN 1

IN 969669-39-6

IN C88 847 NO 013 23



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IN 121-44-6

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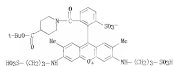
IN 969669-39-7 CAPLUS

CN Anthralin, 9-[2-[[4-[[1,1-dimethylethoxy]carbonyl]-1-piperidinyl]carbonyl]-4-sulfamoyl]-5,6-bis(4-sulfamoyl)amino)-, inner salt, compd with N,N-diethylethanamine (1:1) (CA INDEX NAME)

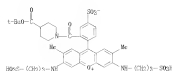
IN 1

IN 969669-39-6

IN C88 847 NO 013 23



L7 ANKER 7 OF 26 CAPSULE OMPYRIST 3000 ACS ON STN (Continued)



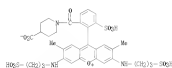
CM 2
CIV 121-44-8
COP OE HLE N

Et
Et-N-Et

IT 96868-42-1P 96868-44-2P 96868-46-7P
E: USP (Analytical reagent use); NMF (Industrial manufacture); NNET (Analytical stable); PREP (Preparation); USDS (Used)
Manufacture of rhodamine fluorescent dye compds and use in biolocal staining or labeling

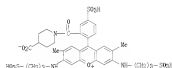
RN 96868-44-2 CAPSULE
CN Anxthylum, 9-[2-[(4-carboxy-1-piperidinyl)carbonyl]-6-sulfobenzyl]-2,7-dimethyl-3,6-bis[(5-sulfopropyl)amino]-, inner salt, compd with N,N-diethylethanesamine (1:1) (CA INDEX NAME)

CM 1
CIV 96868-41-0
COP CSA B29 NS 013 SS



CM 2
CIV 121-44-8
COP OE HLE N

L7 ANKER 7 OF 26 CAPSULE OMPYRIST 3000 ACS ON STN (Continued)



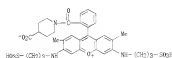
CM 2
CIV 121-44-8
COP OE HLE N

Et
Et-N-Et

IT 96868-12-1P 96868-14-1P
E: USP (Industrial manufacture); PREP (Preparation)
Manufacture of rhodamine fluorescent dye compds and use in biolocal staining or labeling

RN 96868-12-1 CAPSULE
CN Anxthylum, 9-[2-[(4-carboxy-1-piperidinyl)carbonyl]phenyl]-2,7-dimethyl-3,6-bis[(5-sulfopropyl)amino]-, inner salt, compd with N,N-diethylethanesamine (1:1) (CA INDEX NAME)

CM 1
CIV 96868-11-6
COP CSA B29 NS 010 SS



CM 2
CIV 121-44-8
COP OE HLE N

Et
Et-N-Et

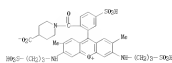
RN 96868-16-1 CAPSULE
CN Anxthylum, 9-[2-[(carboxymethyl)methylamino]carbonyl]phenyl]-2,7-

L7 ANKER 7 OF 26 CAPSULE OMPYRIST 3000 ACS ON STN (Continued)

Et
Et-N-Et

RN 96868-44-5 CAPSULE
CN Anxthylum, 9-[2-[(4-carboxy-1-piperidinyl)carbonyl]-6-sulfobenzyl]-2,7-dimethyl-3,6-bis[(5-sulfopropyl)amino]-, inner salt, compd with N,N-diethylethanesamine (1:1) (CA INDEX NAME)

CM 1
CIV 96868-42-4
COP CSA B29 NS 013 SS



CM 2
CIV 121-44-8
COP OE HLE N

Et
Et-N-Et

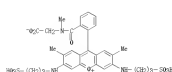
RN 96868-46-7 CAPSULE
CN Anxthylum, 9-[2-[(4-carboxy-1-piperidinyl)carbonyl]-4-sulfobenzyl]-2,7-dimethyl-3,6-bis[(5-sulfopropyl)amino]-, inner salt, compd with N,N-diethylethanesamine (1:1) (CA INDEX NAME)

CM 1
CIV 96868-45-6
COP CSA B29 NS 013 SS

L7 ANKER 7 OF 26 CAPSULE OMPYRIST 3000 ACS ON STN (Continued)

RN 96868-44-9 CAPSULE
CN Anxthylum, 9-[2-[(4-carboxy-1-piperidinyl)carbonyl]-6-sulfobenzyl]-2,7-dimethyl-3,6-bis[(5-sulfopropyl)amino]-, inner salt, compd with N,N-diethylethanesamine (1:1) (CA INDEX NAME)

CM 1
CIV 96868-11-6
COP CSA B29 NS 010 SS



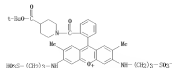
CM 2
CIV 121-44-8
COP OE HLE N

Et
Et-N-Et

IT 96868-10-1P 96868-14-1P 96868-18-2P
96868-44-9P
E: NMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RCT (Reactant or reagent)
Manufacture of rhodamine fluorescent dye compds and use in biolocal staining or labeling

RN 96868-10-1 CAPSULE
CN Anxthylum, 9-[2-[[c-[(1,1-dimethylethoxy)carbonyl]-2'-piperidinyl]carbonyl]benzyl]-2,7-dimethyl-3,6-bis[(5-sulfopropyl)amino]-, inner salt, compd with N,N-diethylethanesamine (1:1) (CA INDEX NAME)

CM 1
CIV 96868-49-2
COP CSA B29 NS 010 SS



CM 2

L7 ANEXER 8 OF 28 CAPULS OMPRISET 2009 ACS on STN (Continued)



CM 2
CIN 121-44-9
CIP 06 HLE N



PAGE 1-5

L7 ANEXER 8 OF 28 CAPULS OMPRISET 2009 ACS on STN

AN 2007 15192-1 CAPULS

IN 151 120079

Title-Directed Conjugation of "Clicked" Glycopolymers to Form Glycoprotein

Minera: Binding to Mammalian Lectins and Induction of Immunological

Function

AU Kemp, J.W.; Markowski, Szymon; Lee, Lei; Nishida, Julius; Chen, Guojian;

Wallis, Russell; Mitchell, Daniel A.; Johnson, Benjamin R. G.; Brann,

Stephen B.; Buddington, David M.

C2 Department of Chemistry, University of Warwick, Coventry, CV4 7AL, UK

J9 Journal of the American Chemical Society 124(7), 1294(9), 15192-15195

CODEN JACSAT ISSN 0002-7863

JF Journal

JA English

N2 CASREG 148 145009

Synthesis of well-defined neoglycopolymers with high yields and materials and a preliminary study focused on their ability of binding mammalian lectins and inducing immunological function is reported. Crucial intermediates for their preparation are well-defined azide-terminated neoglycopolymers (Mn = 8-30 kDa; Mw/Mn = 1.10-1.28) acetylated amine copies of mannose epitopes units, obtained by combination of transition-metal-mediated linear radical polymerization (DME LAP) and thiolene [PIL] cycloaddition. Bovine serum albumin (BSA) was employed as single thiol-containing model protein, and the resulting bioconjugates were purified following two independent protocols and characterized by CD spectroscopy, SEC, PAGE, and ESI-MS. The versatility of the synthetic strategy presented in this work was demonstrated by preparing a small library of competing glycopolymers that only differ from each other for their relative epitope d, were prepared by clicklinking of appropriate units of monoglycosyl and oligoglycosyl azides to the same poly(arylene ether) scaffold intermediate. Surface plasmon resonance binding studies carried out using recombinant rat mannose-binding lectin (RBL) showed clear dose-dependent MLR binding to glycoprotein-conjugated BSA. In addition, ELISA revealed that the neoglycopolymers act as materials described in this work possess significantly enhanced capacity to activate complement via the lectin pathway when compared with native unmodified BSA.

IT 1001596-64-60, deprotected, conjugate with BSA

RE: RBL (Biological study, unclassified), FNP (Properties); FNP (Synthetic preparation); BSA (Biological study); FNP (Preparation)

(site-directed conjugation of "Clicked" glycopolymers to form

glycoprotein mimics and binding to mammalian lectin and induction of

immunol. function)

IN 1001596-64-0 CAPULS

CM = 9-Mannosylazide, 2-[[4-[[[2-methyl-1-oxo-2-propen-1-yl]oxy]methyl]-1H-1,2,3-triazol-1-yl]ethyl] polymer with

3,6-bis(4-ethoxyphenyl)-2-[[4-[[[2-methyl-1-oxo-2-propen-1-yl]oxy]methyl]-1-piperidinyl]carboxyl]phenyl]anthranilic chloride (1 1)

CA INDEX NAME

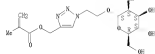
CM 1

CIN 1001596-65-9

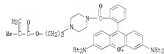
CIP C15 H25 N3 O9

Absolute stereochemistry.

L7 ANEXER 8 OF 28 CAPULS OMPRISET 2009 ACS on STN (Continued)



CM 2
CIN 915941-65-8
CIP C29 H49 N4 O4 Cl



● Cl-

IT 1001596-67-50F, deprotected, reaction products with

mannosylamine acid

RE: FNP (Synthetic preparation), FNP (Synthetic preparation)

(site-directed conjugation of "Clicked" glycopolymers to form

glycoprotein mimics and binding to mammalian lectin and induction of

immunol. function)

IN 1001596-67-5 CAPULS

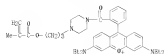
CM Methylation, 3,6-bis(4-ethoxyphenyl)-2-[[4-[[[2-methyl-1-oxo-2-propen-1-yl]oxy]methyl]-1-piperidinyl]carboxyl]phenyl]anthranilic chloride (1 1), polymer with

3-[[4-ethoxyphenyl]-2-propen-1-yl]-2-methyl-2-propenoate (CA INDEX NAME)

CM 1

CIN 915941-65-8

CIP C29 H49 N4 O4 Cl



● Cl-

L7 ANEXER 8 OF 28 CAPULS OMPRISET 2009 ACS on STN (Continued)

CM 2

CIN 214268-06-1

CIP C10 H16 O4 S1



IT 1001596-64-0 1001596-67-50

RE: BSA (Biological study), FNP (Synthetic preparation), BSA (Synthetic preparation), BSA (Synthetic preparation), BSA (Synthetic preparation)

(site-directed conjugation of "Clicked" glycopolymers to form

glycoprotein mimics and binding to mammalian lectin and induction of

immunol. function)

IN 1001596-64-0 CAPULS

CM = 9-Mannosylazide, 2-[[4-[[[2-methyl-1-oxo-2-propen-1-yl]oxy]methyl]-1H-1,2,3-triazol-1-yl]ethyl] polymer with

3,6-bis(4-ethoxyphenyl)-2-[[4-[[[2-methyl-1-oxo-2-propen-1-yl]oxy]methyl]-1-piperidinyl]carboxyl]phenyl]anthranilic chloride (1 1)

CA INDEX NAME

CM 1

CIN 1001596-65-9

CIP C15 H25 N3 O9

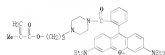
Absolute stereochemistry.

L7 ANEXER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

IN 1401846-67-5 CAPLUS
 CN Kertium, 3,6-bis(diethylamino)-9-[2-[(4-{3-[(2-methyl-1-oxo-2-propen-1-yl)vinyl]oxy}-5-methoxyphenyl)amino]phenyl]-, chloride (1.1), polymer with 5-(trimethylsilyl)-2-propeno-1-yl 3-methyl-5-propenoate (CA INDEX NAME)

CM 1

CN 315941-61-6
 CNF C29 349 34 01



● 1.1

CM 2

CN 314689-96-1
 CNF C10 214 34 01



RE CNT 111 THERE ARE 111 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RS F000047

L7 ANEXER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

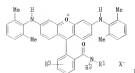
AN 2007 050241 CAPLUS
 IN 147 279209
 TI Rhodamine compounds with excellent heat and light resistance
 IN Baka, Shunshou
 PA Yamada Chemical Co., Ltd., Japan
 IN Jpn. Kokai Tokkyo Koho, Kopp.
 COOBN: JKK3AF

JP Patent

LA Japanese

PAX CNT 1

PATENT NO	KIND	DATE	APPLICATION NO	DATE
JP 2007211226	A	20060903	JP 2006-01811	20060109
JP 2007-01811		20060903		
62	CASREG7	141 279209	MUSAF	141 279209



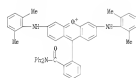
AB Title comds. 1 (91, 92 = CF-34 aryl, which may be substituted by Me, Et, Pr, MeEt, Bu, iso-Bu, sec-Bu, tert-Bu, pentyl, hexyl, and/or halo; R2 = H, Me, Et, Pr, MeEt, Bu, iso-Bu, sec-Bu, tert-Bu, pentyl, hexyl, halo; X = counterion), useful for optical filters, are prepared. Thus, while 21 g (90.13 g/mole) to a mixture of 3,6-di-(2,6-ethylrhodamine 6G) (P120) 3.77, 100% EtOH, and P100 100 g, heating to 80° for 2 h under stirring, cooling, washing, dehydrating, adding 150 g hexane to the resulting organic phase, stirring for 12 h, filtering, and drying gave 96.68 g (1.1). R2 = H; R3 = H; X = Cl; I1. Thus, 7 mg I1 and 1 g P100 were dissolved in a mixture solvent, applied on a PET film, and dried to form a coating showing retention of min. transmission intensity in a wavelength region of 540-655 nm of 98% after 144 h under 20,000 lx light.

IT 7

RE 1M (Industrial manufacture); PFP (Preparation); TCM (Technical or engineering material use); PEP (Preparation); DCT (Dissolvent or reagent); IES (Ions)

IN 946330-84-3 CAPLUS
 CN Kertium, 3,6-bis[(2,6-dimethylphenyl)amino]-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1.1) (CA INDEX NAME)

L7 ANEXER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● 1.1

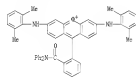
IT 946330-84-3

RE 1M (Industrial manufacture); PFP (Preparation); TCM (Technical or engineering material use); PEP (Preparation); IES (Ions)

IN 946330-84-3 CAPLUS
 CN Kertium, 3,6-bis[(2,6-dimethylphenyl)amino]-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1.1) (CA INDEX NAME)

CM 1

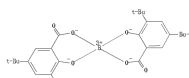
CN 346530-84-3
 CNF C48 344 34 02



CM 2

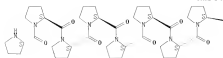
CN 139064-92-3
 CNF C29 344 34 04
 CCI C29

L7 ANEXER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

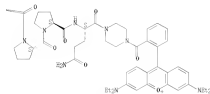


L7 ANDER 11 0F 28 CAPLUC OMFYKIGIT 2006 ACS on STN (Continued)

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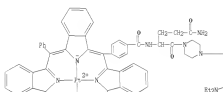
PAGE 1-B



IN 945513-58-4 CAPLUC
 CN Platinum(1+), [2,6-bis(4-diethylamino)phenyl]-[2-[[4-[(4-(13,20,27-triphenyl-2,6,11H-tetraazolo[5,6-g,q]porphyrin-6-yl)-piperazinyl]carbonyl]phenyl]anthracene(2-)]-, (SP-4-2)- (CA INDEX NAME)

L7 ANDER 11 0F 28 CAPLUC OMFYKIGIT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B



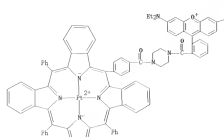
PAGE 2-A



IN 945513-69-6 CAPLUC
 CN Platinum(1+), [2,6-bis(4-diethylamino)phenyl]-[2-[[4-[[N-[(4-(13,20,27-triphenyl-2,6,11H-tetraazolo[5,6-g,q]porphyrin-6-yl)-piperazinyl]carbonyl]phenyl]anthracene(2-)]-, (SP-4-2)- (CA INDEX NAME)

L7 ANDER 11 0F 28 CAPLUC OMFYKIGIT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B

-NEt2

PAGE 2-A



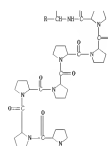
IN 945513-69-6 CAPLUC
 CN Platinum(1+), [2,6-bis(4-diethylamino)phenyl]-[2-[[4-[[N-[(4-(13,20,27-triphenyl-2,6,11H-tetraazolo[5,6-g,q]porphyrin-6-yl)-piperazinyl]carbonyl]phenyl]anthracene(2-)]-, (SP-4-2)- (CA INDEX NAME)

L7 ANDER 11 0F 28 CAPLUC OMFYKIGIT 2006 ACS on STN (Continued)

PAGE 1-A

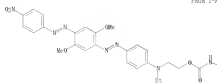


PAGE 2-A

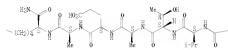


L7 ANWER 12 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)
Double bond geometry unknown.

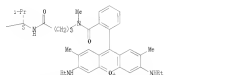
PAGE 1-A



PAGE 1-B

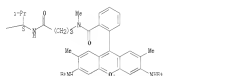


PAGE 1-C



IN 947264-29-3 CAPLIS
CN L-tyrosinamide, N-[4-[[[2-[5,6-bis(4-ethylamino)-2,7-dimethylanthyl]am-9-

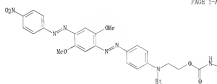
PAGE 1-C



IN 947264-40-6 CAPLIS
CN L-tyrosinamide, 1-[4-[[[2-[5,6-bis(4-ethylamino)-2,7-dimethylanthyl]am-9-
-yl]benzoyl]methyl]amino]-1-methyl-1-[(prolyl)-2-levaryl-L-methylamino]-L-
alanine-2-4-oxo-1,4-dioxane-6-carboxylate-NH-[12-[[4-[[[2-[5,6-bis(4-ethylamino)-2,7-
nitrophenyl]diazanyl]phenyl]diazanyl]phenyl]ethylamino]ethoxy]carboxyl]-
(CA INDEX NAME)

Absolute stereochemistry:
Double bond geometry unknown.

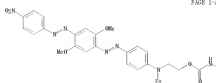
PAGE 1-A



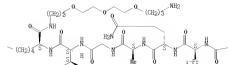
L7 ANWER 12 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)
-yl]benzoyl]methyl]amino]-1-methyl-1-[(prolyl)-2-levaryl-L-methylamino]-L-
alanine-2-4-oxo-1,4-dioxane-6-carboxylate-NH-[12-[[4-[[[2-[5,6-bis(4-ethylamino)-2,7-
nitrophenyl]diazanyl]phenyl]diazanyl]phenyl]ethylamino]ethoxy]carboxyl]-
(CA INDEX NAME)

Absolute stereochemistry:
Double bond geometry unknown.

PAGE 1-A

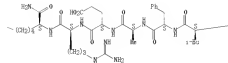


PAGE 1-B

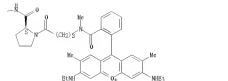


L7 ANWER 12 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STN (Continued)

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IT 947264-41-7 947264-42-8 947264-43-9
947264-44-0 947264-45-1 947264-46-2
947264-47-3 947264-48-4

RE RE3 Obochemical process; RE11 Oboological study, unclassified; FMU
Formation, unclassified; HUK Biological study; NMR Formation,
nongravitational; PRRK Obochemical

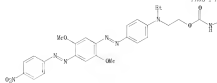
(Solid phase synthesis of dual labeled peptides and development of cell
intracellular calcium specific substrates)

IN 947264-41-7 CAPLIS
CN L-tyrosinamide, 1-[4-[[[2-[5,6-bis(4-ethylamino)-2,7-dimethylanthyl]am-9-
-yl]benzoyl]methyl]amino]-1-methyl-1-[(prolyl)-2-levaryl-L-methylamino]-L-
alanine-2-4-oxo-1,4-dioxane-6-carboxylate-NH-[12-[[4-[[[2-[5,6-bis(4-ethylamino)-2,7-
nitrophenyl]diazanyl]phenyl]diazanyl]phenyl]ethylamino]ethoxy]carboxyl]-
(CA INDEX NAME)

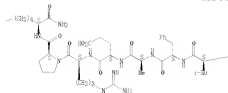
Absolute stereochemistry:
Double bond geometry unknown.

L7 ANKER 12 0F 28 CAPLIC OMPYKIGET 2006 ACS on STN (Continued)

PAGE 1-A

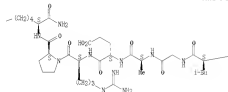


PAGE 1-B

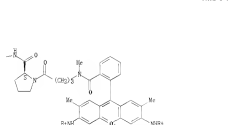


L7 ANKER 12 0F 28 CAPLIC OMPYKIGET 2006 ACS on STN (Continued)

PAGE 1-B



PAGE 1-C

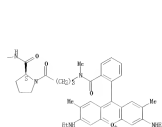


IN 941264-42-9 CAPLIC
 CN L-Leucinamide, 1-[4-[[2-[3,6-bis(ethylamino)-5,7-dimethylantholin-9-yl]benzoyl(methylamino)-1-oxobutyl]-L-prolyl]-L-leucyl-L-alanyl-L-leucyl-L-alanyl-L-leucyl-L-alanyl]-N^ε-(2-{4-[4-(4-ethyl-2,6-dimethylpiperidin-2-yl)-nitrophenyl]diazonyl}phenyl)ethylamino)ethoxycarbonyl]-CA INDEX NAME

Absolute stereochemistry
 Double bond geometry unknown.

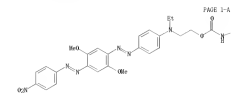
L7 ANKER 12 0F 28 CAPLIC OMPYKIGET 2006 ACS on STN (Continued)

PAGE 1-C



IN 941264-42-9 CAPLIC
 CN L-Leucinamide, 1-[4-[[2-[3,6-bis(ethylamino)-5,7-dimethylantholin-9-yl]benzoyl(methylamino)-1-oxobutyl]-L-prolyl]-L-leucyl-L-alanyl-L-leucyl-L-alanyl-L-leucyl-L-alanyl]-N^ε-(2-{4-[4-(4-ethyl-2,6-dimethylpiperidin-2-yl)-nitrophenyl]diazonyl}phenyl)ethylamino)ethoxycarbonyl]-CA INDEX NAME

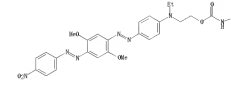
Absolute stereochemistry
 Double bond geometry unknown.



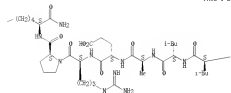
PAGE 1-A

L7 ANKER 12 0F 28 CAPLIC OMPYKIGET 2006 ACS on STN (Continued)

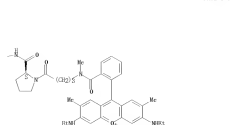
PAGE 1-A



PAGE 1-B



PAGE 1-C



IN 941264-44-9 CAPLIC
 CN L-Leucinamide, 1-[4-[[2-[3,6-bis(ethylamino)-5,7-dimethylantholin-9-

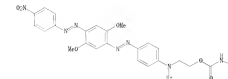
L7 ANDREX 12 OF 26 CAPLIS COPYRIGHT 2006 ACS ON STN (Continued)

CN 947384-47-5 CAPLIS

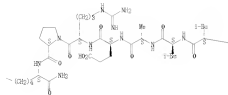
Lysimamide, 1-[4-(2-{[3,6-bis(ethylamino)-2,7-dimethylanthylinyl]benzoyl}-4-piperidinyl)oxycarbonyl]-2-propyl-1-isopropyl-1-isopropyl-1-allyl-1-o-vinyl-2-methyl-2-argenyl-1-pyridyl-N6-[1,4-(2-{[3,6-bis(ethylamino)-2,7-dimethylanthylinyl]phenyl}dianisyl)phenyl)dianisyl]phenylethylamino]ethoxy]carbonyl- (CA INDEX NAME)

Absolute stereochemistry:
Double bond geometry unknown

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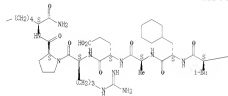


PAGE 1-8

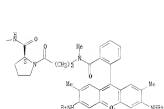


L7 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)

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IT 947264-35-9 947264-50-8 947264-51-9

HL- BCP (Biochemical process); BSU (Biological study, unclassified); FRP (Properties); BSG (Biological study); PRBC (Process)
(solid phase synthesis of dual labeled peptides and development of cell

peptidease casain specific substrates)

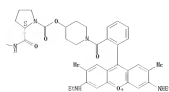
IN 947204-25-9 CAPLUS

ON L-Lysinamide, N-[4-{[2-{[3,6-bis(ethylamino)-2,7-dimethylxanthyl]am-9-yl]betzoyl]methylamino}-3-oxobutyl]glycyl-L-erythylglycyl-L-threonyl-L-erythyl-L-erythyl-AM-[12-{[4-{[2-3,6-dimethoxy-4-{2-[4-dichlorophenyl]diazetyl]phenyl]diazetyl]phenyl]ethylamino]ethoxy]carbonyl]-citr. (NHSY, AMU)

Absolute stereochemistry
Double bond geometry unknown

LJ ANSWER 12 06 26 CAPLES COPYRIGHT 2006 ACS on STM (Continued)

PAGE 1-C

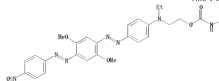


IN 947064-4B-4 CAPJES

ON L-tyrosinamide, 1-[4-[[[3,6-bis(4-ethylamino)-2,7-dimethylxanthyl]am-9-yl]benzoyl]methylanilino]-1-oxobutyl]-L-prolyl-L-leucyl-3-(4-cyclohexyl-4-allyl-L-allyl)-L-glutamyl-L-arginyl-L-prolyl-N6-[[[[3,4,5,6-tetrahydro-4-[2-(4-metrotrophenyl)diazetyl]phenyl]diazetyl]phenyl]ethylamino]ethoxy]carbonyl)- (CA INDEX NAME)

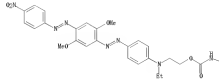
Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A

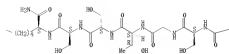


LJ ANSWER 12 OF 28 CAPUS COPYRIGHT 2006 ACS on STM (Continued)

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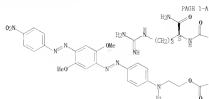
PAGE 1-C

IN 947264-10-8 CAPLUS

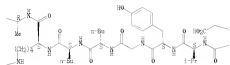
(X) L-Arginamide, N-[4-[[[2-[3,6-bis(4-ethylamino)-2,7-dimethylzanthyl]am-9-yl]benzoyl]methylamino]-1-oxobutyl]-L- α -glutamate-1,5-yl-L-tyrosyl-L-phenyl-L-norleucyl-L-norleucyl-N⁶[[2-[[4-[2,5-dimethoxy-4-[2-(4-nitrophenyl)diazenyl]phenyl]diazenyl]phenyl]ethylamino]ethoxycarbonyl]-L-lysyl-D-alanyl- (CA INDEX NAME)

L7 ANSWER 12 OF 26 CAPSIS COPYRIGHT 2006 ACS on STM (Continued)

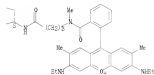
Absolute stereochemistry
Double bond geometry unknown



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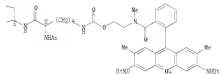


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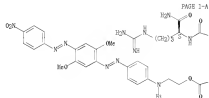
L7 ANSWER 12 OF 28 CAPLIS COPYRIGHT 2008 ACS on STM (Continued)

PAGE 1-C

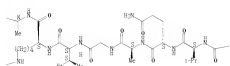


IN 947264-50-0 CAPLUS
CN L-argininamide, N-(4-[[2-[3,6-bis(ethylamino)-2,7-dimethylanthyl]um-9-yl]benzoyl]methylammonio-1-oxobutyl)-L-valyl-L-valyl-L-leulutamyl-L-alanyl-L-tyr-L-isoleucyl-N6-[[2-[[4-[2-[2,6-dimethoxy-4-[2-(4-nitrothienyl)diazenyl]phenyl]diazenyl]phenyl]ethylammonioethoxy]carbonyl]-L-leucyl-D-valeryl-L-tyrosyl (7:1 DMSO:MAH)

Absolute stereochemistry:
Double bond geometry unknown.



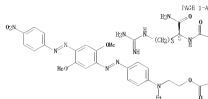
PAGE 1-B



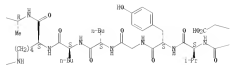
LJ ANSWER 12 OF 26 CAPLES COPYRIGHT 2006 ACS on STM (Continued)

947364-51-9 CAPLOS
N L-Arginamide, N ω -acetyl-N ω -[[2-[[2-[3,6-bis(ethylamino)-2,7-dimethylcanthylamino-9-yl]benzoyl]methylamino]ethoxy]carbonyl]-L-lysyl-L- α -glutamyl-L-valyl-L-tyrosyl-L-tycyl-L-mosinecyl-L-norleucyl-N ω -[[2-[[4-[2-[[2,6-dimethoxy-4-[[4-nitrophenyl]diazenyl]phenyl]diazetyl]phenyl]ethylamino]ethoxy]carbonyl]-L-lysyl-D-alanyl- (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

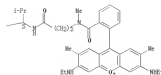


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L7 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

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RE CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANKER 15 0P 28 CAPLIC OMFKIGHT 2006 ACS on STM (Continued)



CM 2

CIN 14500-79-6

COP 0a 2



RN 922183-80-3 CAPLIC

CN Xanthylum, 6-(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-2-methylamino-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

RN 922183-84-4 CAPLIC

CN Xanthylum, 6-(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-2-methylamino-, chloride (1:1) (CA INDEX NAME)

L7 ANKER 16 0P 28 CAPLIC OMFKIGHT 2006 ACS on STM (Continued)

● Cl⁻

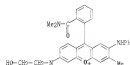
RN 922183-86-4 CAPLIC

CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-6-ethyl-10-methylamino-2-methyl-2-(p-toluenesulfonyl)-11-4-tetrachloroacetate (2-)- (2:1) (CA INDEX NAME)

CM 1

CIN 922183-87-7

COP C35 324 3d 00



CM 2

CIN 15701-05-5

COP C14 2a

CCT C23



RN 922183-90-2 CAPLIC

CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-3-methyl-2-(phenylamino)-6-(1-pyrrolo[2,3-b]pyridin-1-yl)-4-tetrachloroacetate (2-)- (2:1) (CA INDEX NAME)

CM 1

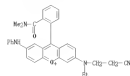
CIN 922183-90-9

L7 ANKER 15 0P 28 CAPLIC OMFKIGHT 2006 ACS on STM (Continued)

● Cl⁻

RN 922183-85-5 CAPLIC

CN Xanthylum, 6-(2-methoxyethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-2-(phenylamino)-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

RN 922183-96-6 CAPLIC

CN Xanthylum, 9-[2-[(diethylamino)carbonyl]phenyl]-6-(4-methylamino)-3-methyl-2-(phenylamino)-, chloride (1:1) (CA INDEX NAME)

L7 ANKER 10 0P 28 CAPLIC OMFKIGHT 2006 ACS on STM (Continued)



CM 3

CIN 15701-05-5

COP C14 2a

CCT C23



RN 922183-91-5 CAPLIC

CN Benzamide, 2-[2-(diethylamino)-3-(ethylamino)-3H-xanthan-9-yl]-N,N-dimethyl-, hydrochloride (1:1) (CA INDEX NAME)

● Cl⁻

RN 922183-95-5 CAPLIC

CN Xanthylum, 6-(diethylamino)-2-(dimethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-, sulfate (2:1) (CA INDEX NAME)

CM 1

CIN 922183-95-4

COP C25 322 3d 02

L7 ANWER 16 0P 28 CAPLIS OMPYKIGET 2006 ACS on STN (Continued)



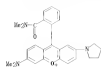
CM 2

CIN 14800-79-6

COP 04 S



BN 922183-96-6 CAPLIS
CN Xanthylum, 6-(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl]-2-(1-pyrrolidinyl)], chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922183-96-6 CAPLIS
CN Xanthylum, 6-(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl]-2-(2-oxo-1-pyrrolidinyl)], sulfate (2:1) (CA INDEX NAME)

CM 1

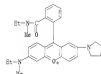
CIN 922183-96-7

COP 03 054 NS 05

L7 ANWER 16 0P 28 CAPLIS OMPYKIGET 2006 ACS on STN (Continued)



BN 922183-99-1 CAPLIS
CN Xanthylum, 6-(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl]-2-(1-pyrrolidinyl)], chloride (1:1) (CA INDEX NAME)

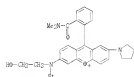
● Cl⁻

BN 922184-05-8 CAPLIS
CN Xanthylum, 6-(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl]-6-(ethyl)-2-[(diethylamino)-2-(1-pyrrolidinyl)], (1-4)-tetraazabenzene-2-yl] (1:1) (CA INDEX NAME)

CM 1

CIN 922184-00-7

COP 03 054 NS 05



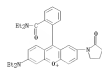
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CIN 10290-05-6

COP 04 2s

C.C. 033

L7 ANWER 16 0P 28 CAPLIS OMPYKIGET 2006 ACS on STN (Continued)



CM 2

CIN 14800-79-6

COP 04 S

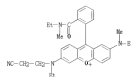


BN 922183-96-6 CAPLIS
CN Xanthylum, 6-(2-oxo-1-pyrrolidinyl)ethylamino)-2-(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl], sulfate (2:1) (CA INDEX NAME)

CM 1

CIN 922183-97-9

COP 03 056 NS 02



CM 2

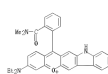
CIN 14800-79-6

COP 04 S

L7 ANWER 16 0P 28 CAPLIS OMPYKIGET 2006 ACS on STN (Continued)



BN 922184-02-9 CAPLIS
CN 11B-[1]Benzopropyl[3,2-b]carbazol-6-yl, 2-[(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl], chloride (1:1) (CA INDEX NAME)

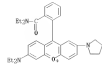
● Cl⁻

BN 922184-04-5 CAPLIS
CN Xanthylum, 6-(diethylamino)-2-[[2-[(diethylamino)carbonyl]phenyl]-2-(1-pyrrolidinyl)], sulfate (2:1) (CA INDEX NAME)

CM 1

CIN 922184-05-0

COP 03 058 NS 02



CM 2

CIN 14800-79-6

COP 04 S

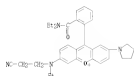
L3 ANKER 16 0F 26 CAPLIS OMPKIGET 2006 ACS on STM (Continued)



BN 922184-06-3 CAPLIS
CN Acetyl-L-m- β -(2-methoxyethyl)ethylamino- β -[2-
[(dimethylamino)carbonyl]phenyl]-5-[3-pyrrolidinyl]-
1-(4-tetrahydrocarboxate[2-]) (2:1) (CA INDEX NAME)

CM 1

CN 922184-05-5
CM (3) 154 NS 02



CM 2

CN 16201-00-6
CM 14 2a
CM 102



BN 922184-06-6 CAPLIS
CN Acetyl-L-m- β -(2-[(dimethylamino)carbonyl]phenyl)-6-ethyl[2-
hydroxyethyl]amino-2-tetrapropionyl-, sulfate (2:1) (CA INDEX NAME)

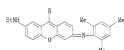
CM 1

CN 922184-07-4
CM (3) 154 NS 02

L3 ANKER 16 0F 26 CAPLIS OMPKIGET 2006 ACS on STM (Continued)

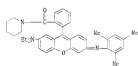


BN 922184-11-0 CAPLIS
CN Methane, [2-[2-(ethylamino)-3-[(2,4,6-trimethylphenyl)imino]-2H-santon-
-9-yl]phenyl]-1-piperidinyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

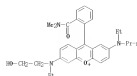
BN 922184-12-1 CAPLIS
CN Methane, [2-[2-(ethylamino)-3-[(2,4,6-trimethylphenyl)imino]-2H-santon-
-9-yl]phenyl]-1-piperidinyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

BN 922184-13-2 CAPLIS
CN Methane, [2-[2-[3-[(piperidinylamino)-3-[(2,4,6-trimethylphenyl)imino]-
2H-santon-9-yl]phenyl]-1-piperidinyl-, hydrochloride (1:1) (CA INDEX NAME)

L3 ANKER 16 0F 26 CAPLIS OMPKIGET 2006 ACS on STM (Continued)



CM 2

CN 14508-79-8
CM 0a 2



BN 922184-10-9 CAPLIS
CN [1]benzopro[2,3-e]quinoxin-6-ylm,
4-[(diethylamino)-11-[2-[(diethylamino)carbonyl]phenyl]-1,3,4,6-tetrahydro-
-1-methyl-, sulfate (2:1) (CA INDEX NAME)

CM 1

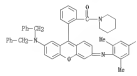
CN 922184-09-6
CM (3) 154 NS 02



CM 2

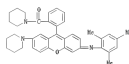
CN 14508-79-8
CM 0a 2

L3 ANKER 16 0F 26 CAPLIS OMPKIGET 2006 ACS on STM (Continued)



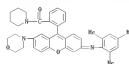
● HCl

BN 922184-14-5 CAPLIS
CN Methane, 1-piperidinyl[2-[2-[1-piperidinyl]-3-[(2,4,6-
-trimethylphenyl)imino]-2H-santon-9-yl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

BN 922184-15-4 CAPLIS
CN Methane, [2-[2-[3-methoxyimino]-3-[(2,4,6-trimethylphenyl)imino]-2H-santon-
-9-yl]phenyl]-1-piperidinyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

BN 922184-17-6 CAPLIS
CN Methane, [2-[2-[3-methoxyimino]-3-[(2,4,6-trimethylphenyl)imino]-2H-santon-
-9-yl]phenyl]-1-piperidinyl-, hydrochloride (1:1) (CA INDEX NAME)

L2 ANKER 16 6P 28 CAPLIS OFFRIGHT 2006 ACS on STN (Continued)



CN 3

CIN 15100-00-6
COP 114 2a
C13 C22

BN 922169-06-9 CAPLIS
CN Xanthylum, 3-chloro-9-[2-[(diethylamino)carbonyl]phenyl]-6-(diethylamino)-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922169-07-1 CAPLIS
CN Xanthylum, 3-chloro-9-[2-[(diethylamino)carbonyl]phenyl]-6-(diethylamino)-, sulfate (2:1) (CA INDEX NAME)

CN 1

CIN 922169-06-9
COP 136 254 Be NO 06

L2 ANKER 16 6P 28 CAPLIS OFFRIGHT 2006 ACS on STN (Continued)

● Cl⁻

BN 922169-10-6 CAPLIS
CN Benzamide, N-[2-(diethylamino)-3-[(3-(diethylamino)-9H-xanthene-9-yl)]-], hydrochloride (1:1) (CA INDEX NAME)



● HCl

BN 922169-11-7 CAPLIS
CN Benzamide, 2-[2-(diethylamino)-3H-xanthene-9-yl]-N,N-dimethyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

BN 922169-13-9 CAPLIS
CN Xanthylum, 2-cyano-9-[2-[(diethylamino)carbonyl]phenyl]-6-[ethyl 2-hydroxyethylamino]-, sulfate (2:1) (salt) (CA INDEX NAME)

CN 1

CIN 922169-12-8

L2 ANKER 16 6P 28 CAPLIS OFFRIGHT 2006 ACS on STN (Continued)



CN 2

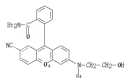
CIN 14808-79-8
COP 04 2

BN 922169-08-0 CAPLIS
CN Xanthylum, 3-chloro-9-[2-[(diethylamino)carbonyl]phenyl]-6-(diethylamino)-2-methyl-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922169-09-5 CAPLIS
CN Xanthylum, 6-(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-2-methoxy-, chloride (1:1) (CA INDEX NAME)

L2 ANKER 16 6P 28 CAPLIS OFFRIGHT 2006 ACS on STN (Continued)



CN 2

CIN 14808-79-8
COP 04 5

BN 922169-11-6 CAPLIS
CN Xanthylum, 9-[2-[(diethylamino)carbonyl]phenyl]-6-(diethylamino)-2-(methoxycarbonyl)-, chloride (1:1) (CA INDEX NAME)

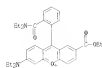
● Cl⁻

BN 922169-16-2 CAPLIS
CN Xanthylum, 6-(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-2-(ethoxycarbonyl)-, (3-4)-tetrachloroisinate (2-2) (CA INDEX NAME)

CN 1

CIN 922169-16-1
COP 131 855 NO 04

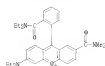
L7 ANWER 16 0F 28 CAPLUS OMPYKIGET 2006 ACS on STM (Continued)



CM 2

CEN 15300-00-6
COP C14 2a
COT C22

BN 922149-17-9 CAPLUS
CN Xanthylum, 6-[(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-2-[(dimethylamino)carbonyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922149-79-6 CAPLUS
CN Xanthylum, 6-[(2-chloroethyl)ethylamino]-2-propyl-9-[2-[(dimethylamino)carbonyl]phenyl]-, sulfate (2:1) (CA INDEX NAME)

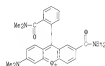
CM 1

CEN 922149-18-4
COP C29 259 C1 N5 06

L7 ANWER 16 0F 28 CAPLUS OMPYKIGET 2006 ACS on STM (Continued)

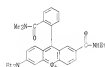


BN 922149-22-0 CAPLUS
CN Xanthylum, 2-[(diethylamino)carbonyl]-6-[(dimethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922149-24-2 CAPLUS
CN Xanthylum, 6-[(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-2-[(diethylamino)carbonyl]-, acetate (3:1) (CA INDEX NAME)

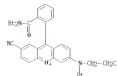
CM 1

CEN 922149-23-1
COP C29 352 N5 06

CM 2

CEN 14808-79-8
COP 04 5

L7 ANWER 16 0F 28 CAPLUS OMPYKIGET 2006 ACS on STM (Continued)

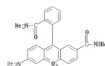


CM 2

CEN 14808-79-8
COP 04 5

BN 922149-21-9 CAPLUS
CN Xanthylum, 6-[(diethylamino)-9-[2-[(dimethylamino)carbonyl]phenyl]-2-[(diethylamino)carbonyl]-, acetate (2:1) (CA INDEX NAME)

CM 1

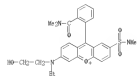
CEN 922149-20-6
COP C29 359 N5 05

CM 2

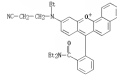
CEN 14808-79-8
COP 04 5

L7 ANWER 16 0F 28 CAPLUS OMPYKIGET 2006 ACS on STM (Continued)

BN 922149-25-5 CAPLUS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-2-[(dimethylamino)carbonyl]-6-[(ethyl(2-hydroxyethyl)amino)-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922149-26-4 CAPLUS
CN Benzo[xanthylum], 10-[2-cyclopentylethylamino]-9-[2-[(diethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

BN 922149-28-6 CAPLUS
CN Xanthylum, 2-chloro-6-[(diethylamino)-9-[2-[(diethylamino)carbonyl]phenyl]-3-methyl-, acetate (1:1) (CA INDEX NAME)

CM 1

CEN 922149-27-6
COP C29 352 C1 N5 06

L7 ANWER 16 0P 26 CAPLIS OMPYKIDST 2006 ACS on STM (Continued)



CM 2
CIN 11 50-1
COP 12 15 00



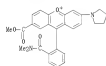
RN 922169-29-1 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-7-[2-[(dimethylamino)carbonyl]phenyl]-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

RN 922169-31-1 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-8-(1-pyrrolidinyl)-, sulfate (2:1) (CA INDEX NAME)
CM 1
CIN 922169-30-0
COP 130 15 00 00

L7 ANWER 16 0P 28 CAPLIS OMPYKIDST 2006 ACS on STM (Continued)



● Cl⁻

RN 922169-35-8 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-10-(4-morpholinyl)-, sulfate (2:1) (CA INDEX NAME)
CM 1
CIN 922169-34-4
COP 130 15 00 00



CM 2
CIN 14500-79-8
COP 04 5



RN 922169-37-2 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-2-methyl-6-(1-piperidinyl)-, sulfate (2:1) (CA INDEX NAME)
CM 1
CIN 922169-36-6
COP 130 15 00 00

L7 ANWER 16 0P 26 CAPLIS OMPYKIDST 2006 ACS on STM (Continued)



CM 2
CIN 14500-79-8
COP 04 5



RN 922169-32-2 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-2-methoxy-6-(1-pyrrolidinyl)-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

RN 922169-33-3 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-2-(methoxycarbonyl)-6-(1-pyrrolidinyl)-, chloride (1:1) (CA INDEX NAME)

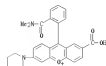
L7 ANWER 16 0P 28 CAPLIS OMPYKIDST 2006 ACS on STM (Continued)



CM 2
CIN 14500-79-8
COP 04 5



RN 922169-39-0 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-2-(ethoxycarbonyl)-6-(1-piperidinyl)-, sulfate (2:1) (CA INDEX NAME)
CM 1
CIN 922169-38-8
COP 130 15 00 04



CM 2
CIN 14500-79-8
COP 04 5



RN 922169-41-3 CAPLIS
CN Xanthylum, 2-oxo-9-[2-[(dimethylamino)carbonyl]phenyl]-6-(1-

LJ ANWER 16 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)
pyrrolidinyl), (7-6)-tetrachlorostearate (2:1) (CA INDEX NAME)

CM 1

CN 922169-40-0
COP C37 824 NO 02



CM 2

CN 16201-06-6
COP 144 NO 02
CCI C32



BN 922169-43-8 CAPLIS
CN Benz[1,2-b:4,5-b']dithiophene, 2-[2-[(dimethylamino)carbonyl]phenyl]-10-(1-piperidinyl)-, sulfate (2:1) (CA INDEX NAME)

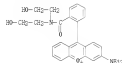
CM 1

CN 922169-42-4
COP C37 829 NO 02



CM 2

LJ ANWER 16 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)



● Cl⁻

BN 922169-48-0 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-5, 6-dimethyl-4-methylphenylamino-, acetate (1:1) (CA INDEX NAME)

CM 1

CN 922169-47-9
COP C33 829 NO 02



CM 2

CN T1-50-1
COP C2 181 NO 02



BN 922169-49-4 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-6-(2,4-dimethylphenyl)methylamino)-2,4-dimethyl-, acetate (1:1) (CA INDEX NAME)

CM 1

CN 922169-49-1
COP C33 829 NO 02

LJ ANWER 16 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)

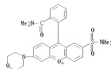
CN 14800-79-9
COP 04 5



BN 922169-46-7 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-2-[(dimethylamino)methyl]-6-(4-morpholinyl)-, sulfate (2:1) (CA INDEX NAME)

CM 1

CN 922169-44-8
COP C38 820 NO 02 5



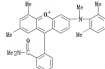
CM 2

CN 14800-79-9
COP 04 5



BN 922169-46-8 CAPLIS
CN Xanthylum, 9-[2-[(bis(2-hydroxyethyl)amino)carbonyl]phenyl]-3-(dimethylamino)-, chloride (1:1) (CA INDEX NAME)

LJ ANWER 16 0F 28 CAPLIS OMPYRIGHT 2006 ACS on STM (Continued)



CM 2

CN T1-50-1
COP C2 181 NO 02



BN 922169-52-6 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-6-(4-ethylphenylamino)-1,3-dimethyl-, acetate (1:1) (CA INDEX NAME)

CM 1

CN 922169-51-8
COP C32 821 NO 02



CM 2

CN T1-50-1
COP C2 181 NO 02



BN 922169-54-8 CAPLIS
CN Xanthylum, 9-[2-[(dimethylamino)carbonyl]phenyl]-1,5-dimethyl-6-(phenylpropylamino)-, acetate (1:1) (CA INDEX NAME)

LJ ANSWER 16 OF 26 CAPLIS OMFYRIGHT 2006 ACS on STM (Continued)

CM 1

CIN 922169-62-9
CIP C3 H25 N2 O2

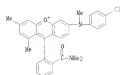
CM 2

CIN T1-50-1
CIP C3 H2 O2

LJ ANSWER 16 OF 26 CAPLIS

CM Kantoium, 6'-[4-(4-chlorophenyl)methylamino]-9-[2-(4-methylamino)carboxylphenyl]-1,3-dimethyl-, acetate (1:1) (CA INDEX NAME)

CM 1

CIN 922169-65-9
CIP C21 H26 Cl N2 O2

CM 2

CIN T1-50-1

LJ ANSWER 17 OF 26 CAPLIS OMFYRIGHT 2006 ACS on STM

LJ 2006-12-06(3), CAPLIS

146-222664

T1 Fluorescently tagged polymer bioconjugates from protein derived

macroinitiators

AU Nicolas, Julien; San Miguel, Veronica; Mantovani, Giuseppe; Radcliffe,

David M

CS Department of Chemistry, University of Warwick, Coventry, CV4 7AL, UK

SO Chemical Communications (Cambridge, United Kingdom) (2006), (46),

0077-0770

CODEN CHCOPB; ISSN 1369-7743

F3 Royal Society of Chemistry

J1 Journal

L1 Berlin

AD C00REACT 146 222664

REA and lysine have been transformed into macroinitiators for living

radical polymerisation and used to produce well-defined bioconjugates which can

be fluorescently labeled providing a versatile strategy for the preparation of

bioconjugates which is complementary to traditional PSylation.

REACT-6-9

RE ACT (Reagent), RACT (Reagent or reagent)

CIN Bioconjug 9-13, Fluorescently tagged polymer bioconjugates from

protein derived macroinitiators

REACT-6-9 CAPLIS

CM Kantoium, 3,6-bis(diethylamino)-9-[2-[[4-(2-hydroxypropyl)-1-

piperazinyl]carboxyl]phenyl]-, chloride (1:1) (CA INDEX NAME)

HO-(CH2)3

● Cl⁻

T1 918941-66-9(2), lysosome and serum albumin conjugates

918941-68-1(3), serum albumin conjugates

RE BIO (Biological use, unclassified), SYN (Synthetic preparation), BIO

(Biological study), PREP (Preparation), I035 (Index)

Fluorescently tagged polymer bioconjugates from protein derived

macroinitiators

REACT-6-9 CAPLIS

CM Kantoium, 3,6-bis(diethylamino)-9-[2-[[4-(2-methyl-1-prop-2-ynen-1-

-yl)oxymethyl]-5-piperazinyl]carboxyl]phenyl]-, chloride (1:1), polymer

with 4-[2-(2-methyl-1-oxo-2-propen-1-yl)oxyethyl]-4'-

hydroxyphenyl-1,1'-binaphthyl (CA INDEX NAME)

CM 1

CIN 918941-66-8

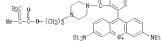
CIP C29 H39 N4 O4 · Cl

LJ ANSWER 16 OF 26 CAPLIS OMFYRIGHT 2006 ACS on STM (Continued)

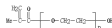
CIP C2 H2 O2

RE.CMT 2 THERE ARE 2 CITED REFERENCE AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE.FORMAT

LJ ANSWER 17 OF 26 CAPLIS OMFYRIGHT 2006 ACS on STM (Continued)

● Cl⁻

CM 2

CIN 922169-66-1
CIP C2 H4 O4 CA 18 02
CCT PRE

RE 918941-68-1 CAPLIS

CM Kantoium, 3,6-bis(diethylamino)-9-[2-[[4-(2-methyl-1-prop-2-ynen-1-

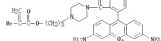
-yl)oxymethyl]-5-piperazinyl]carboxyl]phenyl]-, chloride (1:1), polymer

with 2-(dimethylamino)ethyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

CIN 918941-66-8

CIP C29 H39 N4 O4 · Cl

● Cl⁻

CM 2

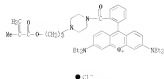
CIN 2967-47-2

CIP C8 H15 N 02

L7 ANKER 17 09 28 CAPLIG OMPYRIGHT 2006 ACS on STM (Continued)



IT 915941-45-4P
 RE: RCT (Reactant), SPW (Synthetic preparation), PREP (Preparation), RACT (Reactant or reagent)
 (Fluorescently tagged polymer bioconjugates from protein derived macroinitiators)
 EN 915941-45-4P CAPLIG
 CN 915941-45-4P CAPLIG
 (Fluorescently tagged polymer bioconjugates from protein derived macroinitiators)
 EN 915941-45-4P CAPLIG
 (Fluorescently tagged polymer bioconjugates from protein derived macroinitiators)

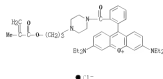


RE CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE 90 FORMAT

L7 ANKER 18 09 28 CAPLIG OMPYRIGHT 2006 ACS on STM

AN 2006 987700 CAPLIG
 EN 146-522104P
 T1 Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators
 AN San Miguel, Veronica; Nicolas, Julien; Mantovan, Giuseppe; Haddleton, David M
 CS Instituto de Ciencia y Tecnologia de Polimeros, CSIC, Madrid 28002, Spain
 SP PREP Preprints 2006 06, 1065-1065
 CODEN PPRM29, 2006 1050-6105
 EN American Chemical Society
 JF Journal, Computer optical disk
 LA English
 AB The conjugation of poly(ethylene glycol) to proteins/enzymes, is an efficient strategy for the chemical modification of protein therapeutics. This has given rise to many potential benefits such as enhancing the protein size, reducing the clearance of the drug from the body due to renal excretion, as well as increasing bioavailability and plasma half-life. The synthesis of fluorescently tagged bioconjugates from living radical polymerization is investigated. The bioconjugates were detected by HPLC with a fluorescence detector, providing a new strategy for in situ observation of delivered compounds.

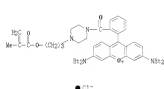
IT 915941-45-4P
 RE: PREP (Preparation), RCT (Reactant), SPW (Synthetic preparation), PREP (Preparation), RACT (Reactant or reagent)
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)
 EN 915941-45-4P CAPLIG
 CN 915941-45-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)
 EN 915941-45-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)



IT 916740-65-3P 916903-49-4P
 RE: PREP (Preparation), SPW (Synthetic preparation), PREP (Preparation)
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)
 EN 916740-65-3P CAPLIG
 CN 916740-65-3P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)
 EN 916740-65-3P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)

EN 916740-65-3P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)

L7 ANKER 18 09 28 CAPLIG OMPYRIGHT 2006 ACS on STM (Continued)



EN 916903-49-4P CAPLIG
 CN 916903-49-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)



EN 916903-49-4P CAPLIG
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 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)

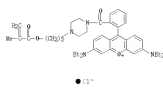
EN 916903-49-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)

H2C-OH

EN 916903-49-4P CAPLIG
 CN 916903-49-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)

EN 916903-49-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)

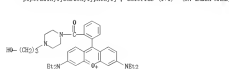
L7 ANKER 18 09 28 CAPLIG OMPYRIGHT 2006 ACS on STM (Continued)



EN 916903-49-4P CAPLIG
 CN 916903-49-4P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)



IT 916740-65-3P 916903-49-4P
 RE: RCT (Reactant), RACT (Reactant or reagent)
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)
 EN 916740-65-3P CAPLIG
 CN 916740-65-3P CAPLIG
 (Fluorescently tagged bioconjugates from living radical polymerization using protein macroinitiators)



RE CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE 90 FORMAT

L3 NUMBER 19 OF 26 CAPLUS OFFRIGHT 2006 ACS ON STM

AK 2006-073083 CAPLUS

IN 145-67496

TI N-terminal protein modification through a biomimetic transamination reaction

AI Gilmore, Joshua N.; Schoel, Rebecca A.; Bauer-Kahn, Aaron P.; Joshi, Neil

F1 of Francis, Matthew B.

CI Department of Chemistry, Lawrence Berkeley National Laboratory, University of California, Berkeley, CA 94720 USA

SO Accounts of Chemical Research (2006), 45(2), 1500-1511

INDEX ACCTO 1500-1508

PS Wiley-VCH Verlag GmbH & Co. KGaA

JA Journal

LA English

AC 145-67496

AB A biomimetic transamination reaction has been developed that employs pyridoxal-5-phosphate to modify the N terminus of proteins and peptides under mild conditions. This technique introduces a strongly reactive carbonyl group in a single location, thus allowing further elaboration through either or biocatalytic formation. This modification strategy is also compatible with proteins containing a free cysteine residue.

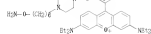
IT 87212-89-0

RE: RU (Biological use, unspecified); KCT (Reactant); SM (Synthetic preparation); SMO (Biological study); FRP (Preparation); KCT (Reactant or reagent); USS (Open)

AB N-terminal protein modification through biomimetic transamination reaction

IN Kuchel, T. CAPLUS

ON Anthelmium, 5-[2-[[4-(6-(benzoxazol-2-yl)-1-piperazinyl)carbonyl]phenyl]-5,6-tetraethylamino]-2-thiophene (11) (CA INDEX NAME)



H2N-O-(CH2)6

IT 87212-89-0

RE: KCT (Reactant); KCT (Reactant or reagent)

AB N-terminal protein modification through biomimetic transamination reaction

IN 87212-89-0 CAPLUS

ON Anthelmium, 5-[2-[[4-(6-(benzoxazol-2-yl)-1-piperazinyl)carbonyl]phenyl]-5,6-tetraethylamino]-2-thiophene (11) (CA INDEX NAME)

L3 NUMBER 30 OF 26 CAPLUS OFFRIGHT 2006 ACS ON STM

AK 2006-324143 CAPLUS

IN 144-278654

TI Fluorescence-conversion phosphor composition and its film with improved durability and light stability

AI Saitoh, Tatsuki; Fukuda, Masahiko; Sakada, Toru

F1 Shimizu Kasei Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 25 JP

INDEX JKKKAP

PS Patent

JA Japanese

LA English

AC 144-278654

IN 144-278654

IN 144-278654

IN 144-278654

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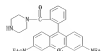
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IN 144-278654

IN 144-278654

IN 144-278654

L3 NUMBER 19 OF 26 CAPLUS OFFRIGHT 2006 ACS ON STM (Continued)



● Cl⁻

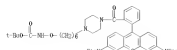
IT 923671-75-3

RE: SM (Synthetic preparation); FRP (Preparation)

AB N-terminal protein modification through biomimetic transamination reaction

IN 923671-75-3 CAPLUS

ON Anthelmium, 5-[2-[[4-(6-(benzoxazol-2-yl)-1-piperazinyl)carbonyl]phenyl]-5,6-tetraethylamino]-2-thiophene (11) (CA INDEX NAME)



● Cl⁻

RE: ONT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE: ONT 5

L3 NUMBER 30 OF 26 CAPLUS OFFRIGHT 2006 ACS ON STM (Continued)

AK 123954-92-3

IN 123954-92-3

IN 123954-92-3

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IN 123954-92-3

IN 123954-92-3

IN 123954-92-3

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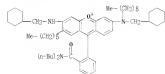
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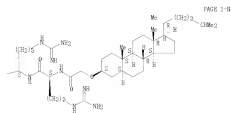
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IN 123954-92-3



CH 2

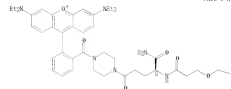
L7 ANWER 25 4P 28 CAPLIC OMPYRIGHT 2006 ACS on STN (Continued)



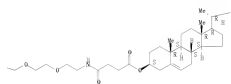
IN 061062-26-2 -CAPLIC
ON Cholest-5-en-3-ol (5A)-, (22S)-22-(aminocarbonyl)-26-[4-[2-[3,6-bis(4-ethylamino)amethylphenyl]benzyl]-1-piperidinyl]-4,20,25-trimethyl-6,11,14,17-tetradec-5,22-diaacetate (XCI) (CA 2006 0060)

Absolute stereochemistry.

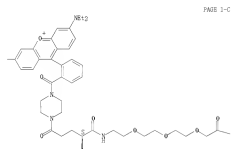
PAGE 1-A



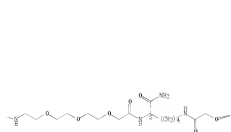
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L7 ANWER 25 4P 28 CAPLIC OMPYRIGHT 2006 ACS on STN (Continued)



PAGE 1-D



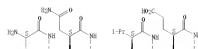
L7 ANWER 25 4P 28 CAPLIC OMPYRIGHT 2006 ACS on STN (Continued)



IN 061062-26-2 -CAPLIC
ON L-lysineamide, 1-ω-glutamyl-L-valyl-L-asparaginyl-(2S,4S)-4-amino-2-hydroxy-4-methylpentamyl-L-valyl-L-alanyl-L-ω-glutamyl-L-phenylalaninyl-[2-(2-aminobenzoyl)ethyl]ethylacetyl-5-[4-[2-[3,6-bis(4-ethylamino)amethylphenyl]benzyl]-1-piperidinyl]-ω-pyruvyl-L-lysyl-L-asparaginyl-[2-(2-aminobenzoyl)ethyl]acetyl-[2-(2-aminobenzoyl)ethyl]acetyl-Me (I) (XII) (CA 2006 0060)

Absolute stereochemistry.

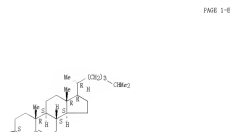
PAGE 1-A



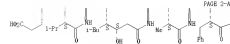
PAGE 1-B



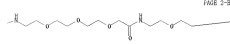
L7 ANWER 25 4P 28 CAPLIC OMPYRIGHT 2006 ACS on STN (Continued)



PAGE 2-A



PAGE 2-B



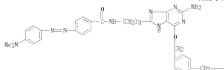
PAGE 2-C



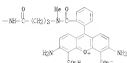
RE. ONT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE. FORMAT

L7 ANSWER 24 OF 26 CAPSUS COPYRIGHT 2006 ACS on STM (Continued)

PAGE 1-A



PAGE 2-18



RN B02772-20-7 CAPUS
CK L-Cysteine, L-Tyrosyl-L-arginyl-L-arginyl-L-arginyl-L-arginyl-L-
L-arginyl-L-arginyl-L-arginyl-L-arginyl-S-[3-(2-{[3-(2-amino-6-[[4-[(4-((2-
OH, 6-dimethyl-4-hydroxyphenyl)amino)-9-oxoheptyl]methylamino]-1-
acetylmethylamino)methyl]phenoylethoxy}-1H-purin-8-yl)propylamino]-2-
acetonyl]-2,6-dioxo-N-viridolidinell-, inner salt [DCI] (CA INDEX NAME)

CC BY NC ND

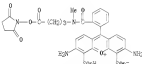
Absolute stereochemistry

L7 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

PAGE 2-A

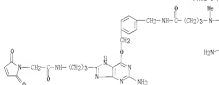
IT 865772-22-9 865772-24-1
 RE- RCT (Reactant), RACT (Reactant or reagent)
 (specific substrates for 06- alkylguanine-DNA alkyltransferase)

HN	Specific inhibitors for 66- aminoguanine-66- aminotransferase/ 663772-22-9 CAPLUS
CN	Xanthylum, 3,6-diamino-9-[2-[[[4-[(2,5-dioxo-1-pyrroliidinyl)oxy]-4-oxobutyl]methylamino]carbonyl]phenyl]-4,5-disulfo-, inner salt (CA INDEX NAME)



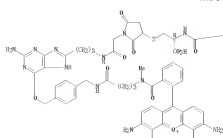
963772-24-1 CASLMS
 Xanthylum, 3,6-diamino-9-[2-[[[4-[[[1,2-amino-6-[3-[[2-(2,5-dihydro-
 2,5-dioxo-1H-pyrrro[1,2-b]yl)acetyl]amino]propyl]-5H-purin-6-
 yl]oxymethyl]phenyl]methoxymethyl]amino]-4-oxobutyl]methylamino]carbonyl]phenyl]-
 4,5-disulfonate, inner salt (CA INDEX NAME)

PAGE 1-A

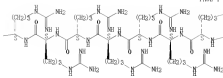


LJ ANSWER 24 OF 26 CAPLES COPYRIGHT 2006 ACS on STM (Continued)

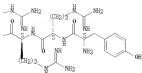
PAGE 2-A



PAGE 1-9



PAGE 1-C



LJ ANSWER 24 OF 28 CAPUS COPYRIGHT 2006 ACS on STM (Continued)

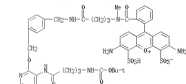
PAGE 1-2



IT 043772-10-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(specific substrates for 06-alkylguanine-DNA alkyltransferase)

(specific substrates for 06- alkylguanine-DNA alkyltransferase)

RN	865772-19-4	CAPLAS
CN	Dantrolene, 3,6-diamino-9-[2-[[[4-[[[4-[[[2-amino-8-[3-[[[1,3-dimethyl(ethoxy)carbonyl]carbonyl]propyl]oxy]butyl]-6-yl]oxy]methyl]phenyl]methyl]amino]-4-oxobutyl]methyl]amino]carbonyl]phenyl]-4,6-disulfonyl, inner salt (CA INDEX XANOB)	



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LJ NUMBER 26 OF 28 CAPLICE OFFPRINT2008 ACS on STM
AK 0004-2162/08 CAPLICE
JP 14173496
TI SERES beason dual labeled oligonucleotide probes for nucleic acid sequence
identification and diagnostic applications
IN Graham, Duncan, Smith, William Scott, Fred, Lujana
PA University of Strathclyde, UK
SO PCT Int Appl., 70 pp
OOEN P12X01
JP Patent
LA English
FAN CN

PATENT NO.	SYNO	DATE	APPLICATION NO.	DATE
PI WO 2004/036102	A1	20040606	JP 2004-028471	20040606
W	AL, AS, AU, AT, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CU, CZ, DE, DK, EC, EE, EG, ES, FI, FR, GB, GR, HU, IE, IL, IN, JP, KE, KG, KH, KR, KZ, LA, LU, LV, LY, MA, MC, MD, ME, MG, MK, MN, MU, MV, MY, NI, NL, NO, NZ, OM, PA, PE, PG, PH, PL, PT, PY, RE, RU, RW, SA, SC, SD, SE, SG, SI, SK, SL, SM, SN, SR, ST, SV, SW, TH, TJ, TM, TN, TR, TT, UA, UG, US, UZ, VC, VE, VN, YU, ZA, ZM, ZW			
EP	AL, AS, AU, AT, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CU, CZ, DE, DK, EC, EE, EG, ES, FI, FR, GB, GR, HU, IE, IL, IN, JP, KE, KG, KH, KR, KZ, LA, LU, LV, LY, MA, MC, MD, ME, MG, MK, MN, MU, MV, MY, NI, NL, NO, NZ, OM, PA, PE, PG, PH, PL, PT, PY, RE, RU, RW, SA, SC, SD, SE, SG, SI, SK, SL, SM, SN, SR, ST, SV, SW, TH, TJ, TM, TN, TR, TT, UA, UG, US, UZ, VC, VE, VN, YU, ZA, ZM, ZW			

EP 1616488	A1	20060626	JP 2006-263826	20060626
K	AS, BE, CH, DE, DK, EC, EE, EG, ES, FI, FR, GB, GR, HU, IE, IL, IN, JP, KE, KG, KH, KR, KZ, LA, LU, LV, LY, MA, MC, MD, ME, MG, MK, MN, MU, MV, MY, NI, NL, NO, NZ, OM, PA, PE, PG, PH, PL, PT, PY, RE, RU, RW, SA, SC, SD, SE, SG, SI, SK, SL, SM, SN, SR, ST, SV, SW, TH, TJ, TM, TN, TR, TT, UA, UG, US, UZ, VC, VE, VN, YU, ZA, ZM, ZW			
JP 2005046581	A1	20050702	JP 2005-024429	20050626
JP 2005046660	A1	2005-11-03	US 2006-026390	20060626
FRAL GB 2005-12969	A	20050626		20060626
WO 2004-028471	W	20040606		

ABSTRACT 142 074006
AS The present invention relates to methods and materials for detecting or identifying particular nucleic acid sequences in a sample using modified pol. beacons. The invention provides modified pol. beacons detectable by surface enhanced Raman scattering (SERS) (SERS beacons) and related materials, processes, and methods of use. The SERS beacons are a dual labeled probe with a different dye at each of its two ends. In conventional beacons a member such as 2002C10 is used with a dye. In the present invention, one of the dyes is specifically designed such that it is capable of immobilizing the oligonucleotide probe onto an appropriate metal surface. In use, the SERS beacons is immobilized in the "closed state" on the metal surface, and this has the effect that due to the closeness to the surface of the colored species a SERS spectrum corresponding to both dyes is detectable. When the complementary sequence hybridizes, the SERS beacons opens up and one of the dyes is removed from the surface - this causes the SERS signals to change to show only the dye on the surface, not the other dye. The wide combination of different dyes offers a massive coding potential for simultaneous multiplexed anal. of DNA/RNA sequences. The method can be used for diagnosis or prognosis of a disease, or for gene expression profiling.

IT 00145-01-7
SC ASD (Analytical reagent use): FRP (Preparation): ANST (Analytical study): SER (Uses)
W (beacons) dyes: SERES beason dual labeled oligonucleotide probes for nucleic acid sequence identification and diagnostic applications)
W 00145-01-7 CAPLICE
CN Anthelm, P-12-carboxy-6-[(2,6-diethyl-2,6-dioxo-1H-pyrimidin-1-yl)-carboxyl]phenyl-3,6-bis(dibenzylamino)-, inner salt (CA INDEX NAME)

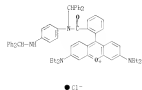
LJ NUMBER 26 OF 28 CAPLICE OFFPRINT2008 ACS on STM
AK 0004-2162/08 CAPLICE
JP 14173496
TI Synthetic method of phenylazomethine dendrimers and dendron derivatives
IN Yamamoto, Kiyoshi, Hiroshi, Masayoshi, Takamichi, Kenzou
PA Kanagawa Institute of Science and Technology, Japan
SO Kokai Tokyo Koho, 39 pp
OOEN T3XK6
JP Patent
LA Japanese
FAN CN

PATENT NO.	SYNO	DATE	APPLICATION NO.	DATE
PI JP 2004331890	A	20041125	JP 2000-130619	20000606
FRAL JP 2000-130610		20000606		
MAHAT 142 1033				
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title method for phenylazomethine dendrimers having tree-linked tree shape mol. structures I are obtained by reacting dendron II with 4,4'-diaminodiphenylmethane to give moln compd. III, adding to give dendron IV, repeating reaction of the resulting dendrons with 4,4'-diaminodiphenylmethane and oxidizing to give higher dendrons, and reacting with amine comds. R1(R2)NH2, wherein R1 = aromatic ring-containing organic group, R2 = substitutedphenyl, n = 21 integer, and n = 0 or 1 integer. Thus, benzophenone 25 & 4,4'-diaminodiphenylmethane 26, and 2000 28.0 g were heated in the presence of 8.3 ml titanium tetrachloride at 80° and reacted at 120° for 24 h to give 3.42 g phenylazomethine dendron, 4.09 g of which was reacted with 0.909 g 4,4'-diaminodiphenylmethane in the presence of 2000 and titanium tetrachloride, oxidized with potassium permanganate to give a third generation dendron, 2.67 g of the resulting dendron was reacted with 0.211 g 4,4'-diaminodiphenylmethane and oxidized to give a fourth generation dendron, which was reacted with pyridine/iodine/NaOH at 120° for 24 h and selectively reduced in the presence of tin chloride and sodium borohydride to give a dendron.

IT 20007-01-29 200307-05-29
SC INT (Industrial manufacture): FRP (Preparation)
(dendron derivatives, synthetic method of phenylazomethine dendrimers and dendron derivs.)
EN 20007-01-5 CAPLICE
CN Anthelm, 4,6-bis(dibenzylamino)-2-[[2-[[[diphenylmethoxy]4-[(diphenylmethoxy)amino]phenyl]amino]carboxyl]phenyl]-, chloride (1:1) (CA INDEX NAME)



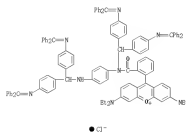
LJ NUMBER 26 OF 28 CAPLICE OFFPRINT2008 ACS on STM (Continued)



RE CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS SECOND ALL CITATIONS AVAILABLE IN THE AB FORMAT

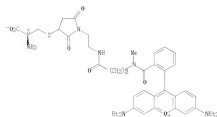
LJ NUMBER 26 OF 28 CAPLICE OFFPRINT2008 ACS on STM (Continued)

EN 20007-01-5 CAPLICE
CN Anthelm, 4,6-bis(dibenzylamino)-2-[[2-[[[diphenylmethoxy]4-[(diphenylmethoxy)amino]phenyl]amino]carboxyl]phenyl]-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

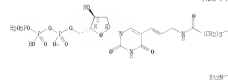
L2 ANSWER 28 OF 28 CAPLIS COPYRIGHT 2006 ACS on STM (Continued)



IN 713620-10-6 CAPLMS
 CN Xanthylum, 9-[2-[[[4-[[3-[[1-[2-deoxy-5-
 [hydroxy[[hydroxy(glophosphonyl)phosphonyl]oxy]phosphonyl]- β -D-erythro-
 pento-furanosyl]-1,2,3,4-tetrahydro-2,4-dioxo-6-pyrimidinyl]-2-oxo-1-
 vi]lamino]-4-oxotutyl]methylamino]carbonyl]phenyl]-3,6-bis (diethylamino)-
 inner salt (CA INDEX NAME)

Absolute stereochemistry
Double bond geometry unknown

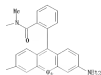
PAGE 1-A



15.25

LJ ANSWER 28 OF 28 CAPSULE COPYRIGHT 2006 ACS on STM (Continued)

PAGE 1-E



IN 713520-24-2 CAPLUS
CN Lanthylum, 9-[2-[18-[[[20, 50, 120, 140]-21, 23-epoxy-
12, 14-dihydroxy-20-oxo-24-methyl-20(22)-en-5-yl]oxy]-3-methyl-1, 6, 17-
trioxo-10, 13-dioxo-2, 7, 16-triazaoctadec-1-yl]phenyl]-3, 6-bis(diethylamino)-
(OCE) (CA INDEX NAME)

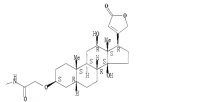
Absolute stereochemistry.

Absolute stereochemistry

PAGE 1-A

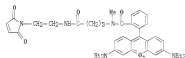
L7 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

PAGE 1-11



IT 713819-00-00
RL IMP (Industrial manufacture). RCT (Reactant); PREP (Preparation); RACT
(Reactant or reagent)
(dye conjugate precursor; carboxamide-substituted fluorescent dye

713619-96-0 CASUS
Xanthylum, 3,6-bis[(diethylamino)-9-[2-[[[4-[[[2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)ethyl]amino]-4-oxobutyl]methylamino]carbonyl]phenyl]- (CA
INDEX NAME)



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L9      70 SEA FILE=CAPLUS ABB=ON PLU=ON ("DREXHAGE KARL H"/AU OR
      "DREXHAGE KARL HEINZ"/AU OR "DREXHAGE KARLHEINZ"/AU)
L10     1 SEA FILE=CAPLUS ABB=ON PLU=ON "HAMERS SCHNEIDER MONIKA"/AU
L11     4 SEA FILE=CAPLUS ABB=ON PLU=ON ("KEMNITZER N U"/AU OR
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L12     4 SEA FILE=CAPLUS ABB=ON PLU=ON "ZILLES ALEXANDER"/AU
L13     83 SEA FILE=CAPLUS ABB=ON PLU=ON L8 OR L9 OR L10 OR L11 OR L12
L14     1 SEA FILE=CAPLUS ABB=ON PLU=ON L13 AND ?CARBOXAMID?

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L24 ANSWER 1 OF 1 CAPLIS COPYRIGHT 2006 ACS on STN

AK 2004-12-08T CAPLIS

IP 141 96060

TI Carboxamide-substituted dyes for analytical applications

IN Anders-Jensen, Jutta; Brechun, Karl-Heinz;

Hansen-Schneider, Monika; Kemmner, Norbert;

Zilina, Alexander

PA Atto-Tec GmbH, Germany

PO Postfach 100, D-30

CGDN F10000

FI 040511

LA German

FAS 001

PATENT NO.

KIND

DATE

APPLICATION NO

DATE

FI 90 20040605117

AK 20040601

90 2000-EP14854

20001218

90 20040605117

AK 20040619

90 2000-EP14854

20001218

90 20040605117

AK 20040619

90 2000-EP14854

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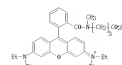
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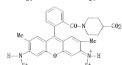
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L24 ANSWER 1 OF 1 CAPLIS COPYRIGHT 2006 ACS on STN

(Continued)



I



II

AB Fluorescent dyes (notably rhodamine, thiorhodamine, selenorhodamine, rhodol, carbopyrene, triphenylmethane and merocyanine dyes) with improved water solubility, in which lactone or lactam group group is modified with carboxamide groups, such as I (lactone), multichromophore-containing salts, such as bischromophoric II) are useful for anal. application in vivo and in vitro, in labeling and diagnostic systems, in immuno- and particle acid identification method, and in peptide, polypeptide, nucleic acid and its analog, nucleoside, nucleotide and hapten conjugates. These dyes are prepared by reaction lactone or lactam form of these dyes (activated by interaction with imides) with secondary amines at 25 - 60° in aprotic solvents. Thus, mixing 1 g of Rhodamine B chloride, 0.1 ml of 0 (N-methylimidazole)-N,N,N',N'-tetramethylammonium tetrafluoroborate (I) and 0.1 ml N-methyl-diisopropylamine (IV) in acetonitrile 2 h at room temperature gives after appropriate treatment of drying 0.5 g of rhodamine 5 (N-methyl-diisopropylamine (IV)). Heating 0.5 g of V, 0.25 g of imide and 4-methylimidazole-hydrochloride and 0.25 ml of 18 in 40 ml of acetonitrile gives 0.3 g of I. The compound of I with cytosine is prepared by treatment of imidazolyl maleimide of I prepared from V by mixing 5 h at room temperature with IV and imidazolyl maleic acid imide solution in DMSO with cytosine for 2 h at room temperature and adding 10 ml of NaClO4 solution.

=> d his full

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FILE 'REGISTRY' ENTERED AT 09:52:47 ON 06 NOV 2008

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 L2 26 SEA SSS SAM L1
 L3 475 SEA SSS FUL L1
 D QUE L3 STAT
 L4 132 SEA ABB-ON PLU=ON L3 AND ED<12/18/2003

FILE 'CAPLUS' ENTERED AT 09:56:32 ON 06 NOV 2008

L5 43 SEA ABB-ON PLU=ON L4
 D 1-43 BIB ABS HITSTR

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 D L4 1-132 IDE CAN

FILE 'CAPLUS' ENTERED AT 10:00:15 ON 06 NOV 2008

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 L7 28 SEA ABB-ON PLU=ON L6 NOT L5
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 JUTTA"/AU)
 E DREXHAGE KARL/AU
 L9 70 SEA ABB-ON PLU=ON ("DREXHAGE KARL H"/AU OR "DREXHAGE KARL
 HEINZ"/AU OR "DREXHAGE KARLHEINZ"/AU)
 E HAMERS SCHNEIDER MONIKA/AU
 L10 1 SEA ABB-ON PLU=ON "HAMERS SCHNEIDER MONIKA"/AU
 E KEMNITZER NORBERT/AU
 L11 4 SEA ABB-ON PLU=ON ("KEMNITZER N U"/AU OR "KEMNITZER NORBERT"/
 AU OR "KEMNITZER NORBERT UWE"/AU)
 E ZILLES ALEXANDER/AU
 L12 4 SEA ABB-ON PLU=ON "ZILLES ALEXANDER"/AU
 L13 83 SEA ABB-ON PLU=ON L8 OR L9 OR L10 OR L11 OR L12
 L14 1 SEA ABB-ON PLU=ON L13 AND ?CARBOXAMID?
 D QUE L14 STAT
 D BIB ABS

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 4 NOV 2008 HIGHEST RN 1070859-34-5

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FILE COVERS 1907 - 6 Nov 2008 VOL 149 ISS 19

FILE LAST UPDATED: 4 Nov 2008 (20081104/ED)

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ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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